

=> d his

(FILE 'HOME' ENTERED AT 09:06:10 ON 16 OCT 2007)

FILE 'REGISTRY' ENTERED AT 09:06:37 ON 16 OCT 2007

L1 STRUCTURE UPLOADED

L2 15 S L1

L3 337 S L1 FULL

FILE 'CAPLUS' ENTERED AT 09:07:31 ON 16 OCT 2007

L4 573 S L3

L5 520 S L4 AND (SUNSCREEN OR UV OR ULTRAVIOLET)

L6 339 S L5 AND COSMETIC

L7 165 S L6 AND (HYDROXYPHENYLTRIAZINE OR (HYDROXY(W)PHENYL(W)TRIAZINE

FILE 'HOME' ENTERED AT 09:21:18 ON 16 OCT 2007

FILE 'REGISTRY' ENTERED AT 09:22:13 ON 16 OCT 2007

L8 STRUCTURE UPLOADED

L9 3 S L8

L10 85 S L8 FULL

FILE 'CAPLUS' ENTERED AT 09:23:17 ON 16 OCT 2007

L11 63 S L10

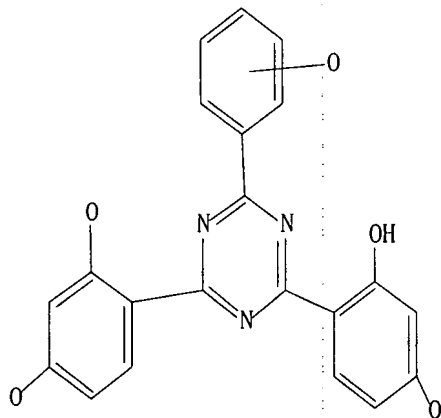
L12 4 S L11 AND L7

L13 52 S L11 AND L5

=> d 11

L1 HAS NO ANSWERS

L1 STR

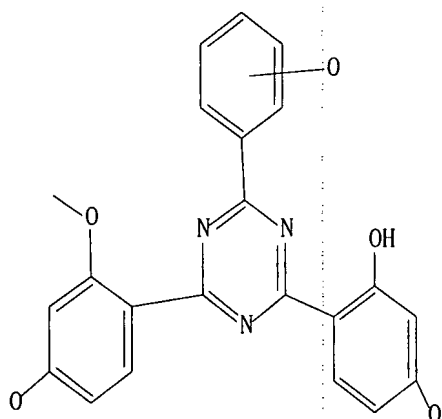


Structure attributes must be viewed using STN Express query preparation.

=> d 18

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> d 112 1-4 ibib iabs hitstr

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:676208 CAPLUS  
 DOCUMENT NUMBER: 146:168787  
 TITLE: Use of amino hydroxy benzophenone derivatives for protecting human hair and skin  
 AUTHOR(S): Anon.  
 CORPORATE SOURCE: USA  
 SOURCE: IP.com Journal (2006), 6(6A), 14 (No. IPCOM000136730D), 30 May 2006  
 CODEN: IJPOBX; ISSN: 1533-0001  
 PUBLISHER: IP.com, Inc.  
 DOCUMENT TYPE: Journal; Patent  
 LANGUAGE: English  
 PATENT INFORMATION:

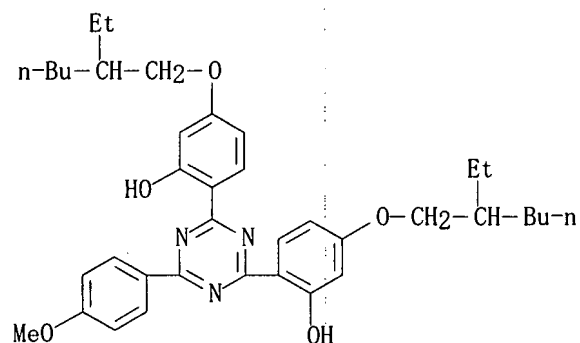
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 136730D		20060530	IP 2006-136730D	20060530

PRIORITY APPLN. INFO. : IP 2006-136730D 20060530

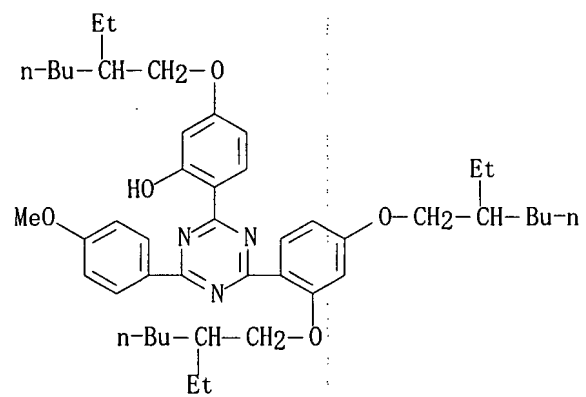
## ABSTRACT:

Disclosed are specific micronized organic UV absorbers from the class of the benzophenone derivs. which are useful for protecting human hair and skin against UV radiation and skin aging and preventing tanning. A further subject of the disclosure are cosmetic or dermatol. compns. comprising these UV absorbers.

IT 187393-00-6 600127-05-7  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (amino hydroxy benzophenone derivs. for protecting human hair and skin)  
 RN 187393-00-6 CAPLUS  
 CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



RN 600127-05-7 CAPLUS  
 CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:803835 CAPLUS  
 DOCUMENT NUMBER: 141:300991  
 TITLE: Symmetrical triazine derivatives as UV absorbers  
 INVENTOR(S): Ehliis, Thomas; Muller, Stefan; Hayoz, Pascal  
 PATENT ASSIGNEE(S): Germany  
 SOURCE: U.S. Pat. Appl. Publ., 54 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004191191	A1	20040930	US 2004-804676	20040319
AU 2004224086	A1	20041007	AU 2004-224086	20040319
WO 2004085412	A2	20041007	WO 2004-EP50331	20040319
WO 2004085412	A3	20050210		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1606270	A2	20051221	EP 2004-721908	20040319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004008994	A	20060328	BR 2004-8994	20040319
CN 1774426	A	20060517	CN 2004-80010224	20040319
JP 2006523197	T	20061012	JP 2006-505476	20040319
IN 2005CN02734	A	20070608	IN 2005-CN2734	20051021
PRIORITY APPLN. INFO.:			EP 2003-100758	A 20030324
			EP 2003-102325	A 20030729
			WO 2004-EP50331	A 20040319

OTHER SOURCE(S): MARPAT 141:300991

# ABSTRACT:

The present invention relates to the use of specific sym. triazine derivs. for the protection of human and animal hair and skin against the damaging effect of \*\*\*UV\*\*\* radiation, cosmetic compns. comprising these triazine derivs., and process for the preparation of these compds. The compds. can be used in micronized or soluble form. For example, cyanuric chloride (9.2 g, 0.05 mol) was added to melted biphenyl (200.0 g, 1.28 mol) and hydrogen chloride was discharged for 10 min. Aluminum chloride (20.0 g, 0.15 mol) was added within 40 min in 5 equal portions, whereby hydrogen chloride was discharged again after the first two addns. After termination of the reaction 95% ethanol (200 mL) was added dropwise slowly. The reaction mixture was heated up for 1 h under reflux. Finally, acetone (400 mL) was added and agitated for 1 h, cooled down to room temperature and the failed product was filtered under suction. Yield of tris(biphenyl)-1,3,5-triazine was approx. 65%. Various cosmetic (\*\*\*sunscreens\*\*\*) formulations were prepared using tris(biphenyl)-1,3,5-triazine and other triazine UV absorbers.

IT 187393-00-6P 600127-05-7P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

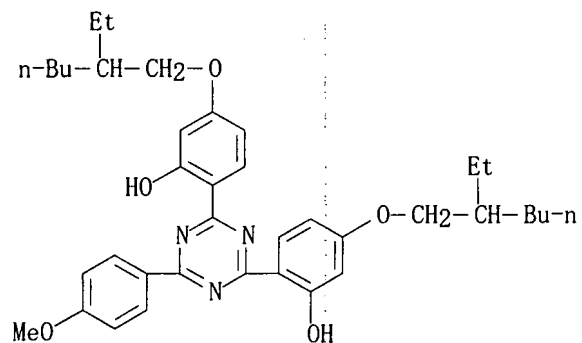
(sym. triazine derivs. as UV absorbers for cosmetics

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RN 187393-00-6 CAPLUS

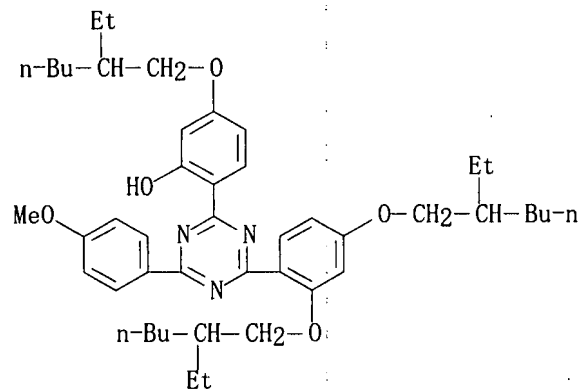
CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-

ethylhexyl)oxy]- (CA INDEX NAME)



RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:737542 CAPLUS

DOCUMENT NUMBER: 139:249988

TITLE: UV absorber compositions comprising a hydroxyphenyltriazine

INVENTOR(S): Haase, Juerg; Ehliis, Thomas; Borsos, Elek; Hueglin, Dietmar; Herzog, Bernd

PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003075875	A1	20030918	WO 2003-EP2200	20030304
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003214092	A1	20030922	AU 2003-214092	20030304
EP 1482904	A1	20041208	EP 2003-709744	20030304
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003008369	A	20050111	BR 2003-8369	20030304
CN 1642522	A	20050720	CN 2003-805915	20030304
JP 2005532273	T	20051027	JP 2003-574151	20030304
US 2005129632	A1	20050616	US 2004-507295	20040909
IN 2004CN02266	A	20070720	IN 2004-CN2266	20041008
PRIORITY APPLN. INFO.:			EP 2002-405188	A 20020312
			WO 2003-EP2200	W 20030304

OTHER SOURCE(S): MARPAT 139:249988

ABSTRACT:

UV absorber compns. comprise 1-99% a hydroxyphenyltriazine compound and 99-1% a further UV absorber selected from the group of \*\*\*hydroxyphenyltriazines\*\*\* that are different from the 1st \*\*\*hydroxyphenyltriazine\*\*\*, benzotriazoles, dibenzoylmethane and \*\*\*camphor\*\*\* derivs. The compns. are suitable as UV filters in \*\*\*cosmetic\*\*\* compns. Thus, a hydroxyphenyltriazine compound was prepared and an emulsion formulation contained the hydroxyphenyltriazine 3, sesame oil 10 glyceryl stearate 4, stearic acid 1, cetyl alc. 0.5, Polysorbate-20 0.2, propylene glycol 4, propylparaben 0.05, methylparaben 0.15, triethanolamine 0.1, and Carbomer-934 0.1 g, and water to 100 mL.

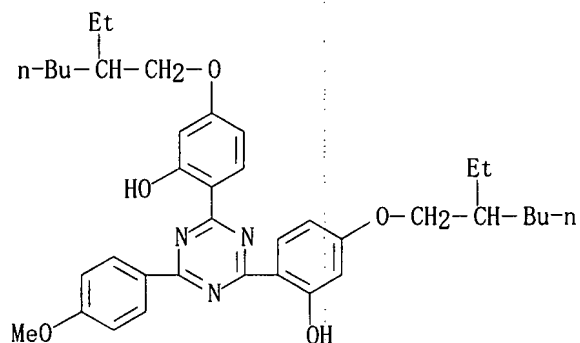
IT 187393-00-6P

RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(UV absorber compns. comprising hydroxyphenyltriazine)

RN 187393-00-6 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]]- (CA INDEX NAME)



IT 600127-05-7P 600127-06-8P 600127-07-9P

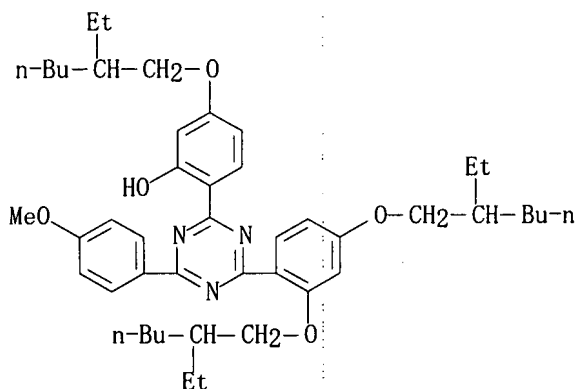
600127-08-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(UV absorber compns. comprising hydroxyphenyltriazine)

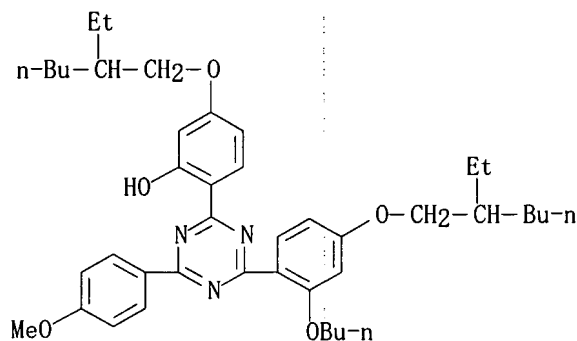
RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



RN 600127-06-8 CAPLUS

CN Phenol, 2-[4-[2-butoxy-4-[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)

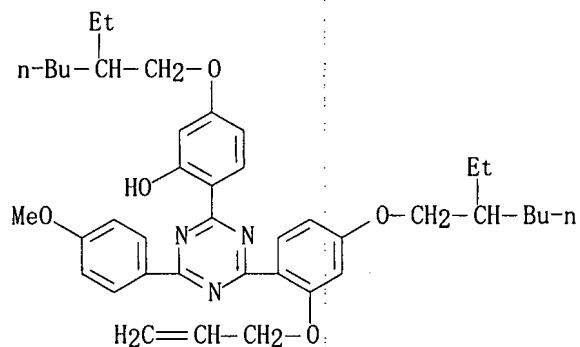


RN 600127-07-9 CAPLUS

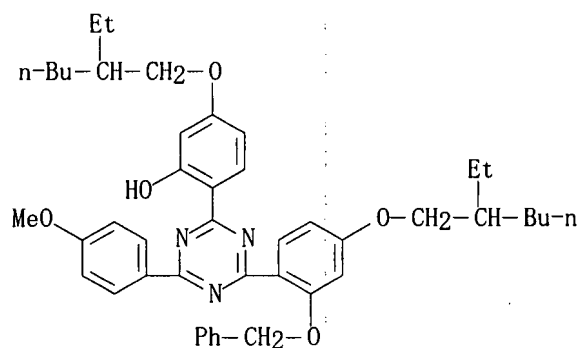
CN Phenol, 5-[(2-ethylhexyl)oxy]-2-[4-[4-[(2-ethylhexyl)oxy]-2-(2-propenyloxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (9CI) (CA



INDEX NAME)

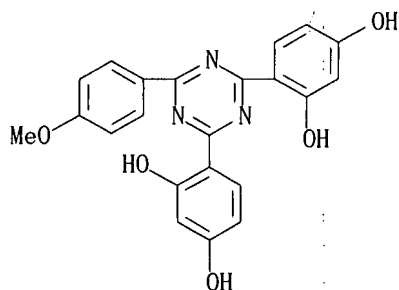


RN 600127-08-0 CAPLUS  
 CN Phenol, 5-[(2-ethylhexyl)oxy]-2-[4-[4-[(2-ethylhexyl)oxy]-2-(phenylmethoxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (CA INDEX NAME)



IT 1440-00-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (UV absorber compns. comprising hydroxyphenyltriazine)

RN 1440-00-2 CAPLUS  
 CN 1,3-Benzenediol, 4,4'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2000:911045 CAPLUS  
 DOCUMENT NUMBER: 134:76129  
 TITLE: Micropigment mixture for sunscreen formulations  
 INVENTOR(S): Luther, Helmut  
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
 SOURCE: PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000078277	A1	20001228	WO 2000-EP5314	20000608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000011766	A	20020305	BR 2000-11766	20000608
EP 1187598	A1	20020320	EP 2000-949173	20000608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003502354	T	20030121	JP 2001-504342	20000608
AU 778175	B2	20041118	AU 2000-62626	20000608
US 6746666	B1	20040608	US 2001-18199	20011214
MX 2001PA13101	A	20020604	MX 2001-PA13101	20011218
PRIORITY APPLN. INFO.:			EP 1999-810543	A 19990618
			WO 2000-EP5314	W 20000608

OTHER SOURCE(S): MARPAT 134:76129

# ABSTRACT:

The invention relates to the use of mixts. of micronized organic UV filters for the protection of the human and animal skin and hair from the detrimental effects of UV radiation. The invention also relates to the use of said mixts. in cosmetic and pharmaceutical formulations. The micronized mixts. used according to the invention cover a broad UV range and therefore have excellent sun protection properties. Thus, 32 parts octyltriazone, 1 part cetyltrimethylammonium bromide, and 66 parts methylene bisbenzotriazolyltetramethylbutylphenol were melted and the colled mas was subjected to size reduction. This product was mixed with decyl glucoside and water and further micronized. This composite was mixed with citric for use in \*\*\*sunscreen\*\*\* or pharmaceutical formulations.

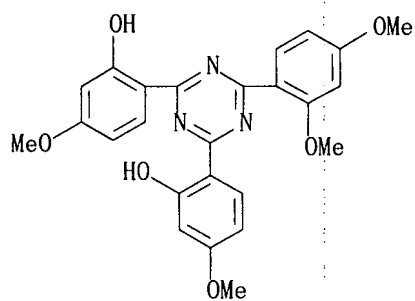
IT 103734-29-8

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(micropigment mixture for sunscreen formulations)

RN 103734-29-8 CAPLUS

CN Phenol, 2,2'-[6-(2,4-dimethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 113 and cosmetic  
61701 COSMETIC  
66842 COSMETICS  
85971 COSMETIC  
(COSMETIC OR COSMETICS)  
L14 9 L13 AND COSMETIC  
=> s 114 not 112  
L15 5 L14 NOT L12  
=> d 1-5 ibib iabs hitstr

L15 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:335176 CAPLUS  
 DOCUMENT NUMBER: 138:339054  
 TITLE: Naphthyltriazines as stabilizers for organic material  
 INVENTOR(S): Toan, Vien Van; Metzger, Georges; Schaefer, Thomas;  
 Biry, Stephane; Bulliard, Christophe; Reinehr, Dieter;  
 Michaelis, Peter  
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
 SOURCE: PCT Int. Appl., 85 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035734	A1	20030501	WO 2002-EP11347	20021010
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002362976	A1	20030506	AU 2002-362976	20021010
EP 1463774	A1	20041006	EP 2002-801886	20021010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1571814	A	20050126	CN 2002-820590	20021010
JP 2005506384	T	20050303	JP 2003-538246	20021010
US 2005038245	A1	20050217	US 2004-492721	20041006
US 2005169859	A1	20050804	US 2005-98640	20050404
US 7087753	B2	20060808		
PRIORITY APPLN. INFO.:			CH 2001-1919	A 20011018
			WO 2002-EP11347	W 20021010
			US 2004-492721	A1 20041006

OTHER SOURCE(S): MARPAT 138:339054

## ABSTRACT:

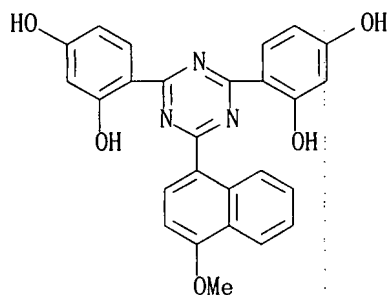
The invention relates to novel compds. of the 2-hydroxyphenyl-1,3,5-triazine type that comprise one or two ox- or 3-bonded naphthyl groups (e.g., bis- $\alpha$ -naphthyl-(2-hydroxy-4-n-hexyloxyphenyl)triazine). The compds. are suitable for stabilizing organic material, especially plastics materials, surface-coatings, cosmetic preps., sun protection agents or photog. material, against damage by light, oxygen and/or heat.

IT 518045-63-1P

RL: IMF (Industrial manufacture); PRP (Properties); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; naphthyltriazines as stabilizers for organic material)

RN 518045-63-1 CAPLUS

CN 1,3-Benzenediol, 4,4'-[6-(4-methoxy-1-naphthalenyl)-1,3,5-triazine-2,4-diyl]bis- (9CI) (CA INDEX NAME)

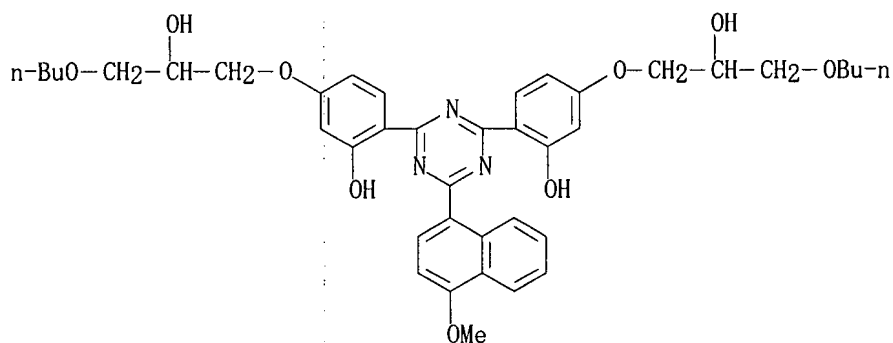


IT 518045-64-2P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)  
(stabilizers; naphthyltriazines as stabilizers for organic material)

RN 518045-64-2 CAPLUS

CN Phenol, 2,2'-(6-(4-methoxy-1-naphthalenyl)-1,3,5-triazine-2,4-diyl)bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)

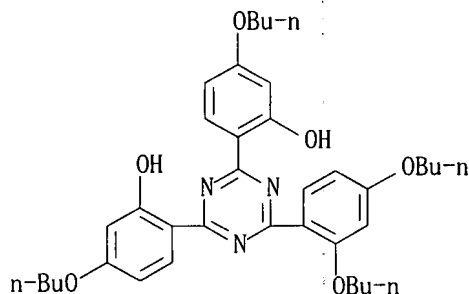


IT 208343-47-9

RL: MOA (Modifier or additive use); USES (Uses)  
(stabilizers; naphthyltriazines as stabilizers for organic material)

RN 208343-47-9 CAPLUS

CN Phenol, 2,2'-(6-(2,4-dibutoxyphenyl)-1,3,5-triazine-2,4-diyl)bis[5-butoxy- (CA INDEX NAME)



REFERENCE COUNT:

4

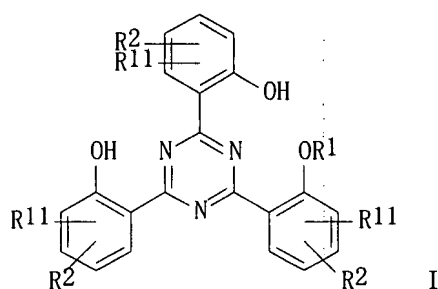
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:357645 CAPLUS  
 DOCUMENT NUMBER: 129:47336  
 TITLE: New light-stabilizing hydroxyphenyl triazine  
 INVENTOR(S): Hueglin, Dietmar; Van Toan, Vien; Luther, Helmut;  
 Bulliard, Christophe; Rytz, Gerhard  
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.  
 SOURCE: Ger. Offen., 126 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19750906	A1	19980528	DE 1997-19750906	19971117
GB 2319523	A	19980527	GB 1997-22825	19971030
GB 2319523	B	20001108		
CH 692916	A5	20021213	CH 1997-2613	19971110
SE 9704171	A	19980521	SE 1997-4171	19971114
SE 522685	C2	20040224		
AU 9745207	A	19980528	AU 1997-45207	19971114
AU 734952	B2	20010628		
CA 2221473	A1	19980520	CA 1997-2221473	19971118
FR 2755966	A1	19980522	FR 1997-14417	19971118
FR 2755966	B1	20001013		
BE 1011550	A3	19991005	BE 1997-920	19971118
NO 9705305	A	19980522	NO 1997-5305	19971119
NO 318981	B1	20050530		
CN 1183410	A	19980603	CN 1997-123135	19971119
JP 10182621	A	19980707	JP 1997-334915	19971119
BR 9704843	A	19981027	BR 1997-4843	19971119
ES 2135347	A1	19991016	ES 1997-2417	19971119
ES 2135347	B1	20000516		
AT 9701963	A	20020815	AT 1997-1963	19971119
AT 410317	B	20030325		
NL 1007590	A1	19980525	NL 1997-1007590	19971120
NL 1007590	C2	19981027		
TW 546291	B	20030811	TW 1997-86119398	19971218
US 6284821	B1	20010904	US 2000-715799	20001117
PRIORITY APPLN. INFO.:			CH 1996-2864	A 19961120
			US 1997-974263	A3 19971119

OTHER SOURCE(S): MARPAT 129:47336  
 GRAPHIC IMAGE:



## ABSTRACT:

The hydroxyphenyl triazine is represented by a general formula I (R1 = C1-18-alkyl, C5-12-cycloalkyl, C3-18-alkenyl, Ph, etc.; R2 = C6-18-alkyl, C2-6-alkenyl, Ph, C7-11-phenylalkyl, etc.; R11 = H, C1-18-alkyl, C3-6-alkenyl, Ph, C7-11-phenylalkyl, halo, C1-18-alkoxy). The new compound stabilizes organic

materials which are suitable for use in plastics, coatings, cosmetic  
 \*\*\*sunscreen\*\*\* materials or photog. materials.

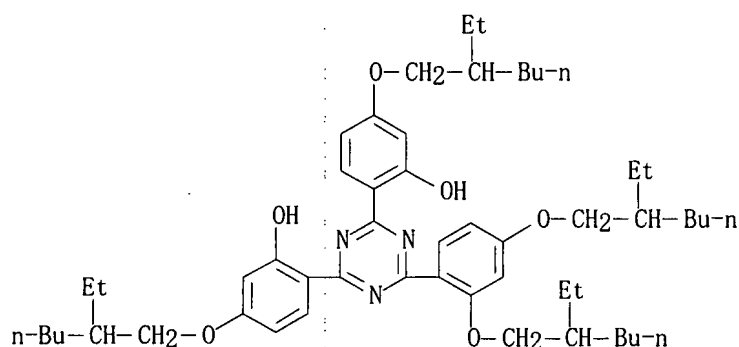
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 208343-63-9P 208343-64-0P 208343-65-1P

RL: MOA (Modifier or additive use); SPN (Synthetic preparation); PREP  
 (Preparation); USES (Uses)

(in preparation of new light-stabilizing hydroxyphenyl triazine)

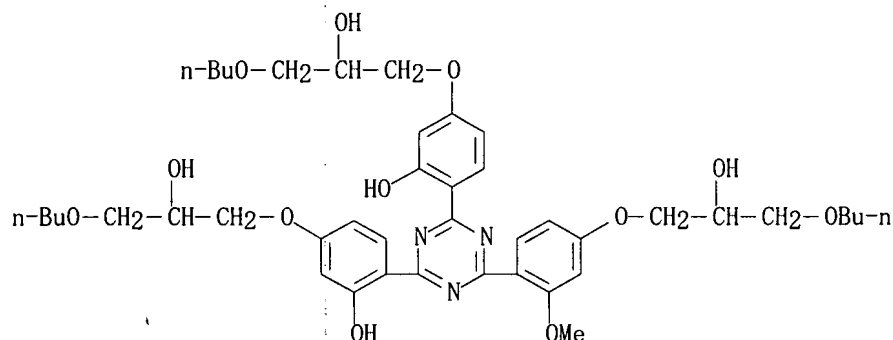
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CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



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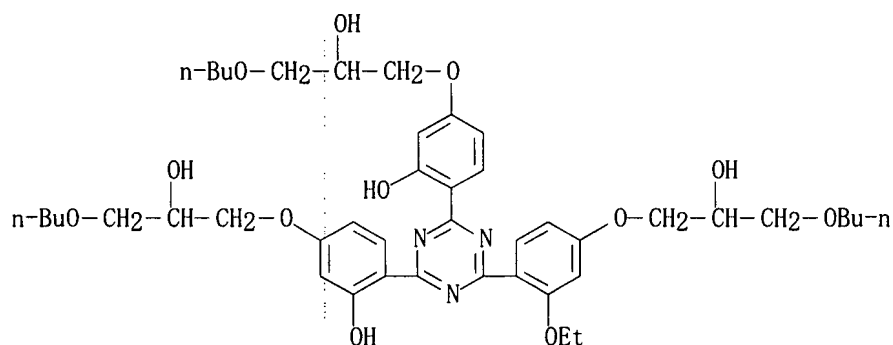
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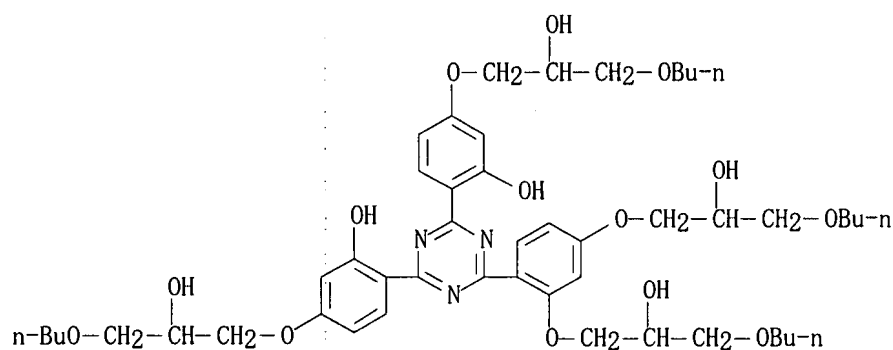
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CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-ethoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)

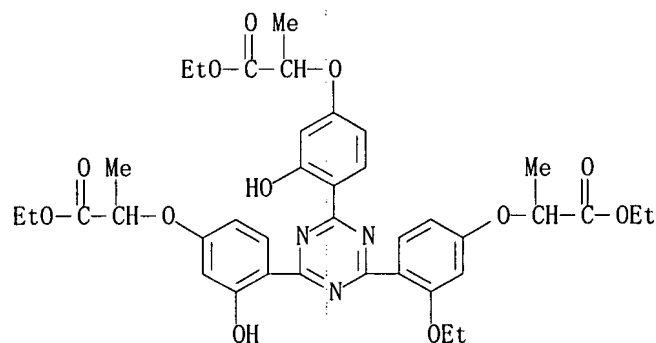




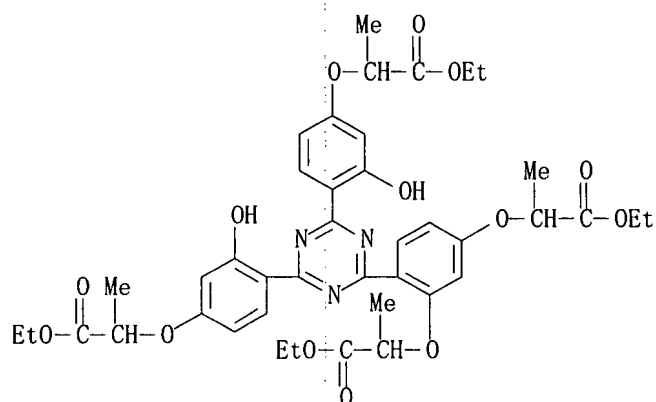
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 CN Phenol, 2,2'-(6-[2,4-bis(3-butoxy-2-hydroxypropoxy)phenyl]-1,3,5-triazine-2,4-diyl)bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)



RN 208343-27-5 CAPLUS  
 CN Propanoic acid, 2,2'-[[6-[2-ethoxy-4-(2-ethoxy-1-methyl-2-oxoethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[(3-hydroxy-4,1-phenylene)oxy]]bis-, diethyl ester (9CI) (CA INDEX NAME)



RN 208343-28-6 CAPLUS  
 CN Propanoic acid, 2,2'-[[4-[4,6-bis[4-(2-ethoxy-1-methyl-2-oxoethoxy)-2-hydroxyphenyl]-1,3,5-triazin-2-yl]-1,3-phenylene]bis(oxy)]bis-, diethyl ester (9CI) (CA INDEX NAME)



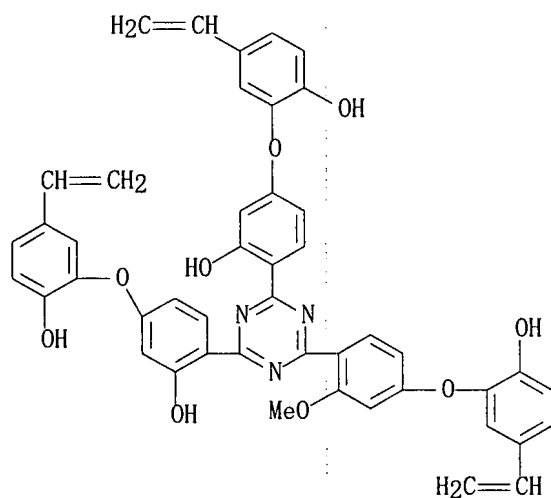
RN 208343-31-1 CAPLUS

CN Phenol, 2,2'-[6-[4-(4-ethenyl-2-hydroxyphenoxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(4-ethenyl-2-hydroxyphenoxy)-, mixt. with 2,2'-[6-[4-(5-ethenyl-2-hydroxyphenoxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(5-ethenyl-2-hydroxyphenoxy)phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 208343-30-0

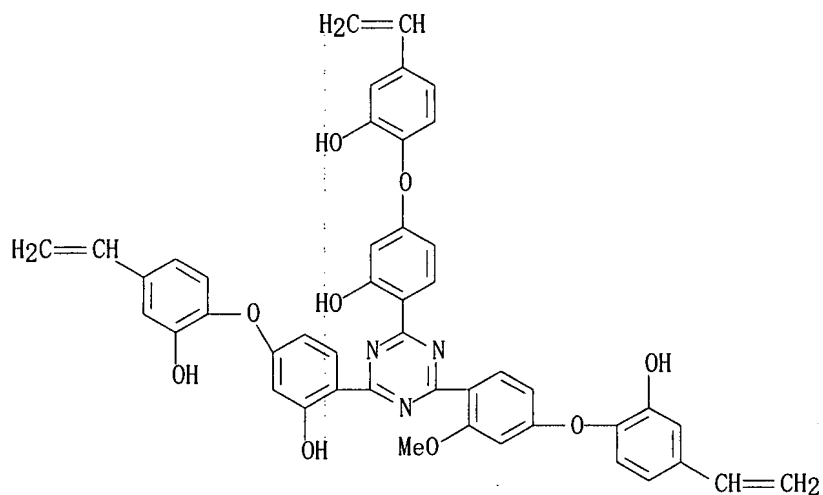
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CM 2

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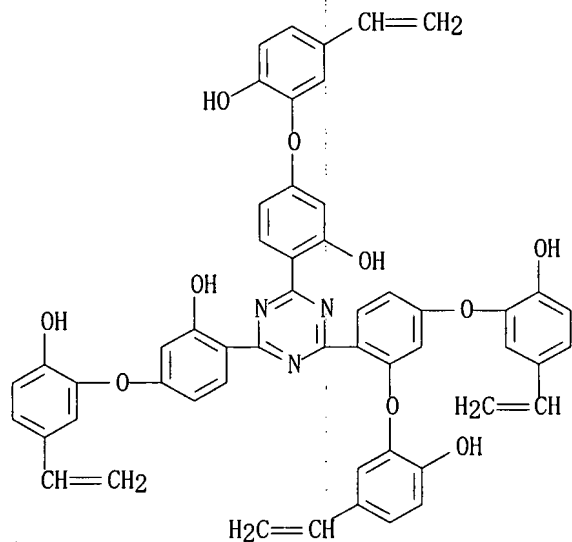
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RN 208343-34-4 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(4-ethenyl-2-hydroxyphenoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(4-ethenyl-2-hydroxyphenoxy)-, mixt. with 2,2'-[6-[2,4-bis(5-ethenyl-2-hydroxyphenoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(5-ethenyl-2-hydroxyphenoxy)phenol] (9CI) (CA INDEX NAME)

CM 1

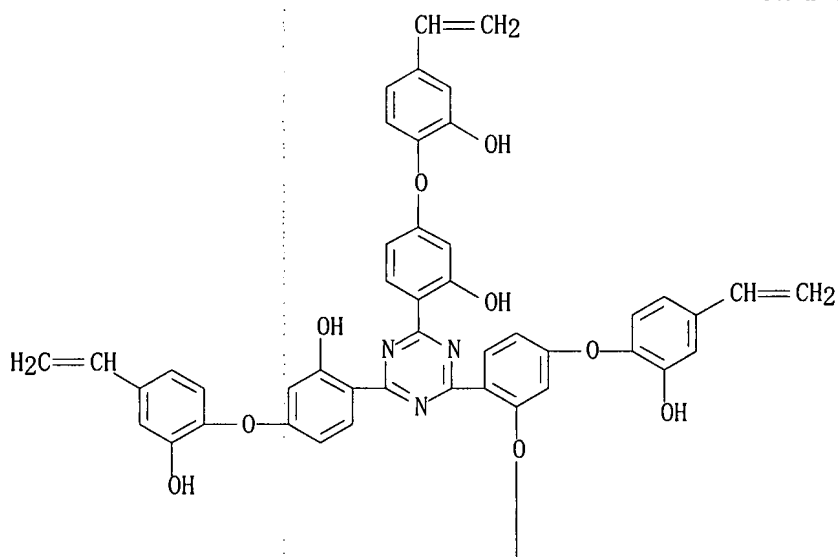
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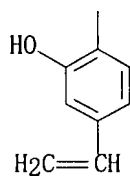
CM 2

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 CMF C53 H39 N3 O10

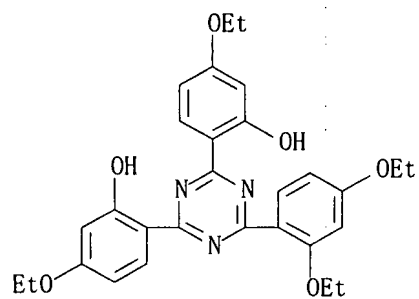
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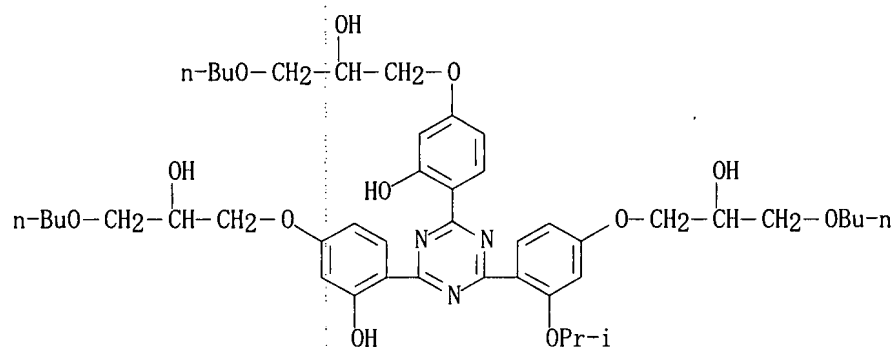
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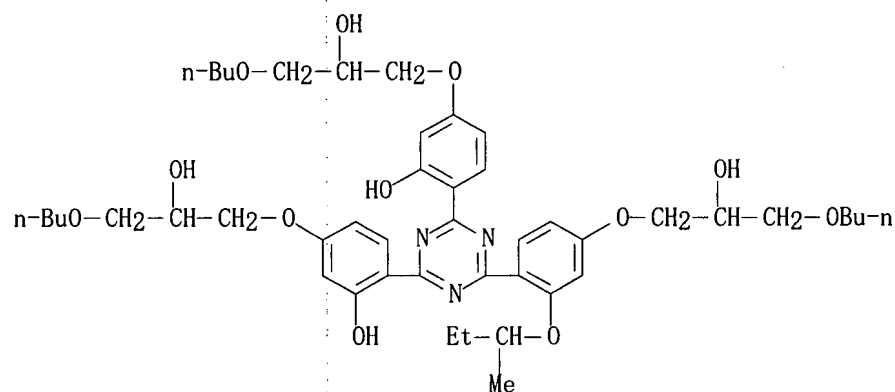
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 CN Phenol, 2,2'-[6-(2,4-diethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-ethoxy-  
 (9CI) (CA INDEX NAME)



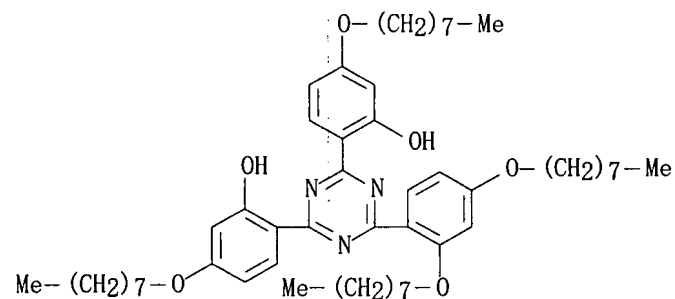
RN 208343-36-6 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-(1-methylethoxy)phenyl]-  
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 INDEX NAME)



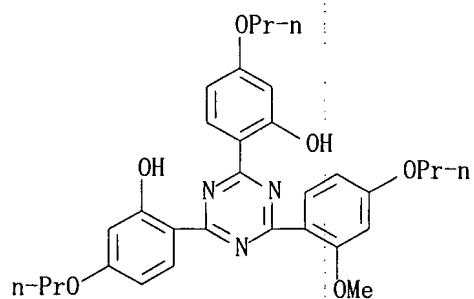
RN 208343-37-7 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-(1-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)-(9CI) (CA INDEX NAME)



RN 208343-38-8 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(octyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(octyloxy)-(9CI) (CA INDEX NAME)

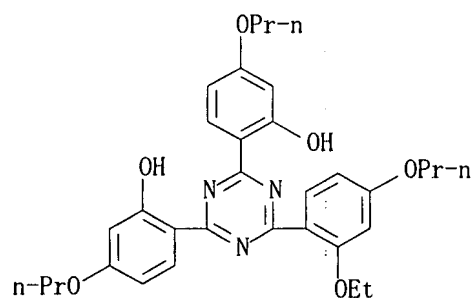


RN 208343-39-9 CAPLUS  
 CN Phenol, 2,2'-[6-(2-methoxy-4-propoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy-(9CI) (CA INDEX NAME)



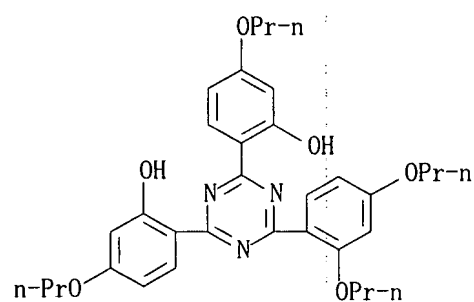
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CN Phenol, 2,2'-[6-(2-ethoxy-4-propoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy- (9CI) (CA INDEX NAME)



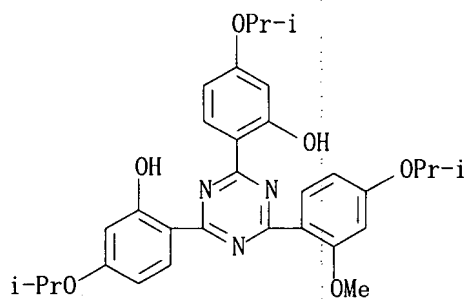
RN 208343-41-3 CAPLUS

CN Phenol, 2,2'-[6-(2,4-dipropoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy- (9CI) (CA INDEX NAME)



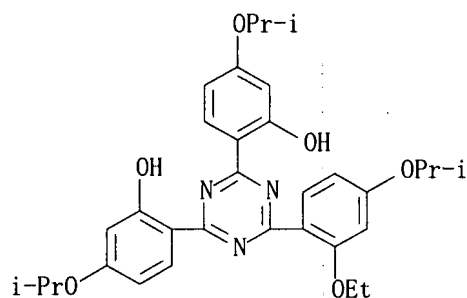
RN 208343-42-4 CAPLUS

CN Phenol, 2,2'-[6-[2-methoxy-4-(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



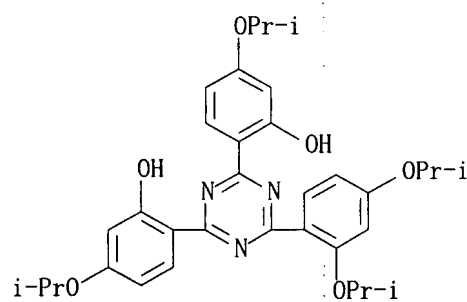
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CN Phenol, 2,2'-[6-[2-ethoxy-4-(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



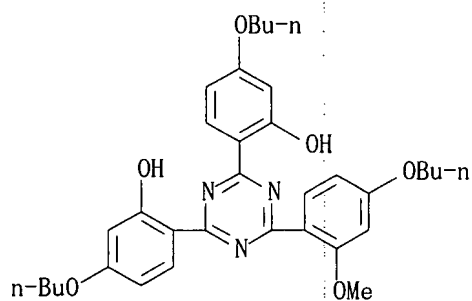
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CN Phenol, 2,2'-[6-[2,4-bis(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



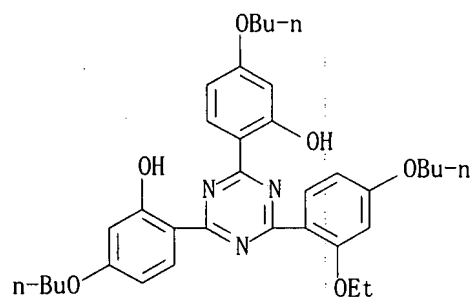
RN 208343-45-7 CAPLUS

CN Phenol, 2,2'-[6-(4-butoxy-2-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy- (9CI) (CA INDEX NAME)



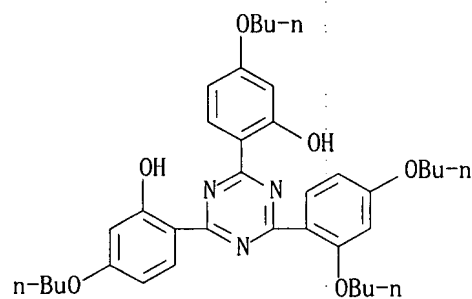
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CN Phenol, 2,2'-[6-(4-butoxy-2-ethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy- (9CI) (CA INDEX NAME)



RN 208343-47-9 CAPLUS

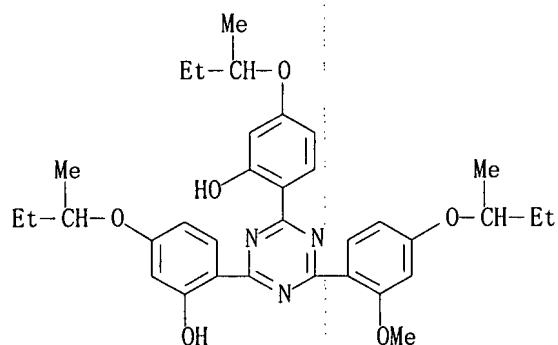
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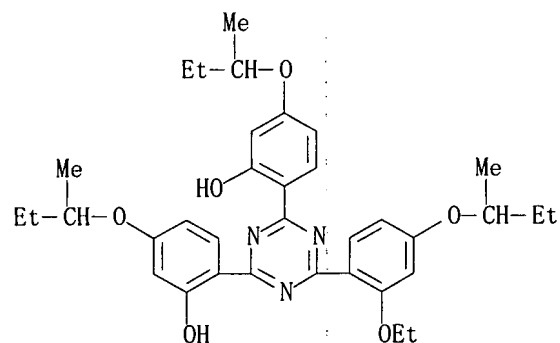
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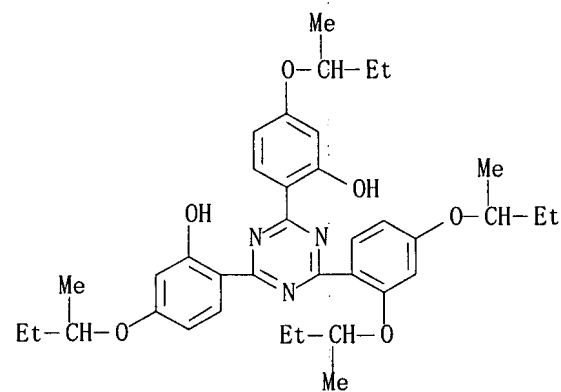
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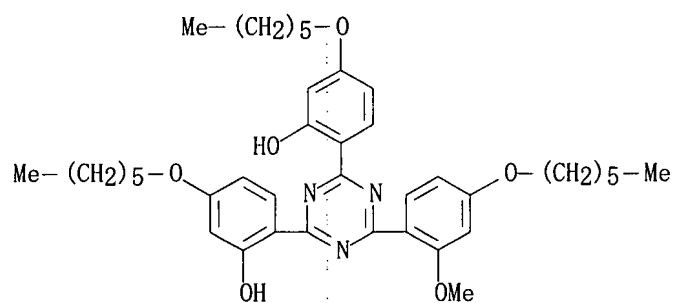
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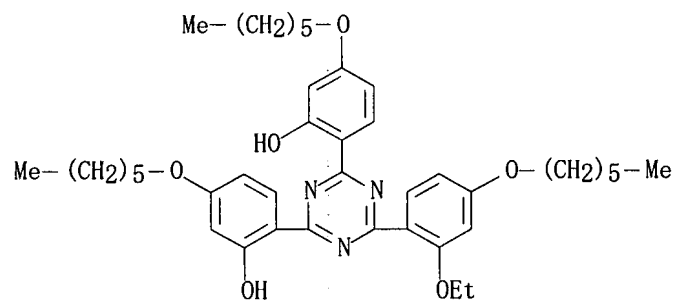
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CN Phenol, 2,2'-[6-[4-(hexyloxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexyloxy)- (9CI) (CA INDEX NAME)



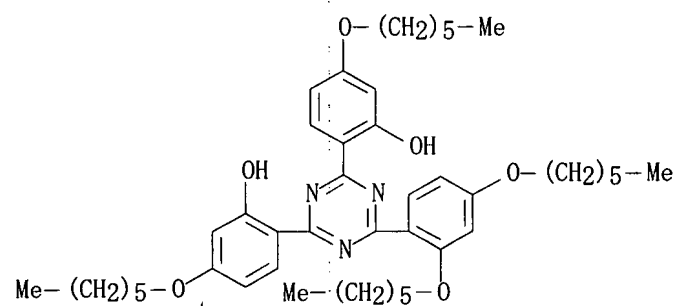
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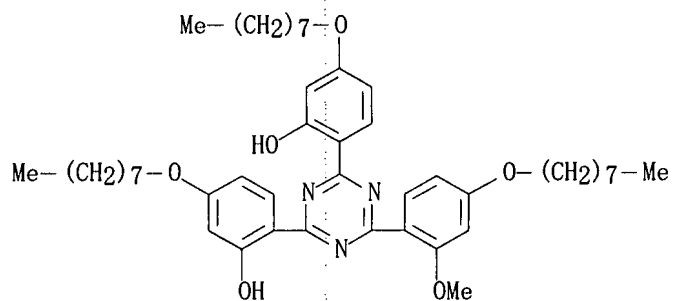
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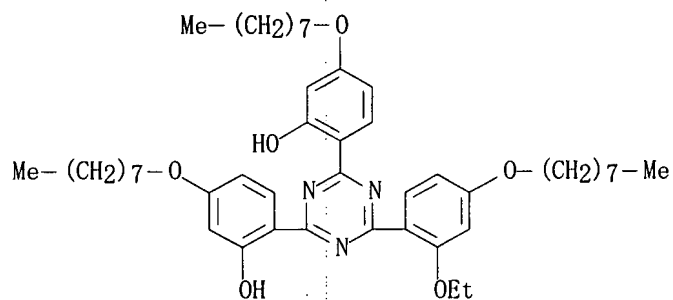
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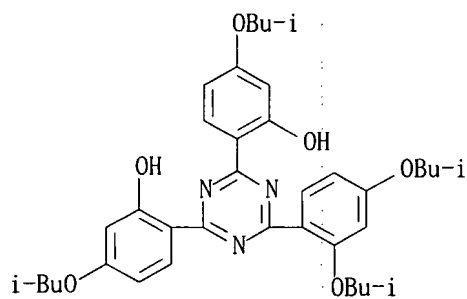
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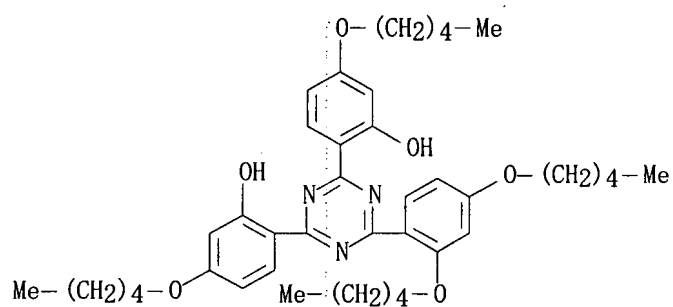
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CN Phenol, 2,2'-[6-[2,4-bis(2-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(2-methylpropoxy)- (9CI) (CA INDEX NAME)]



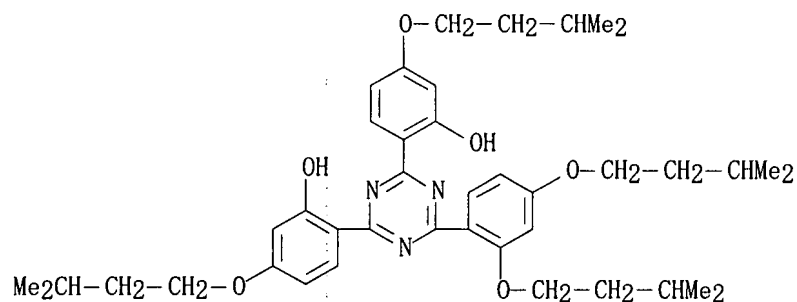
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CN Phenol, 2,2'-[6-[2,4-bis(pentyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(pentyloxy)- (9CI) (CA INDEX NAME)]



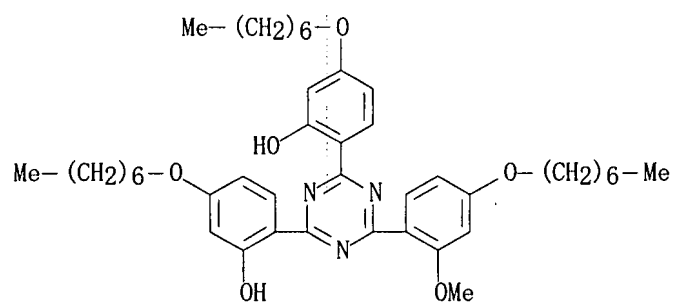
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CN Phenol, 2,2'-[6-[2,4-bis(3-methylbutoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



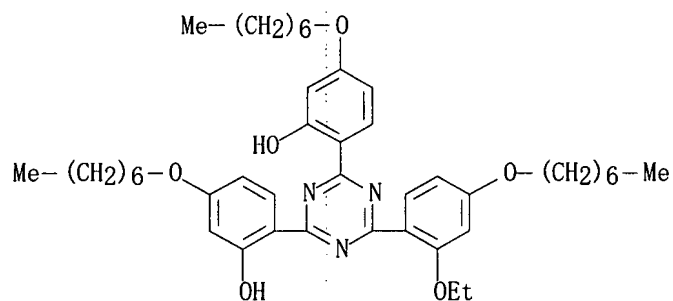
RN 208343-59-3 CAPLUS

CN Phenol, 2,2'-[6-[4-(heptyloxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



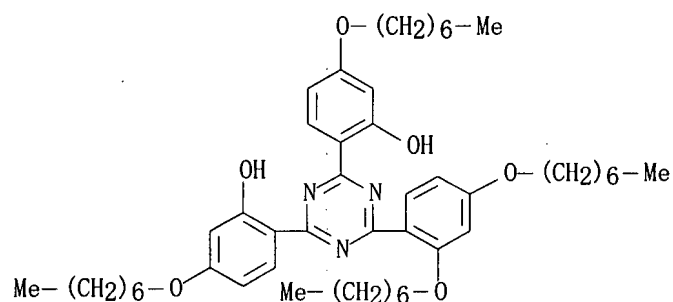
RN 208343-60-6 CAPLUS

CN Phenol, 2,2'-[6-[2-ethoxy-4-(heptyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



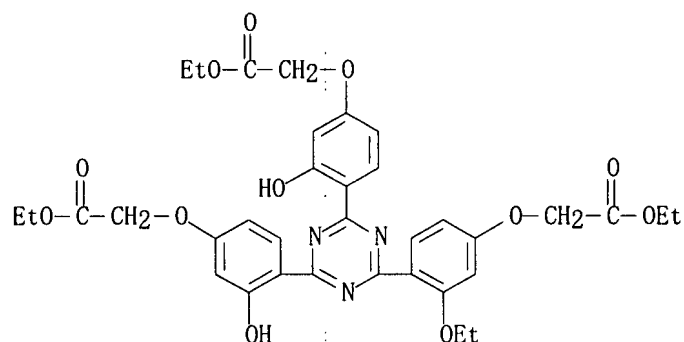
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CN Phenol, 2,2'-[6-[2,4-bis(heptyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



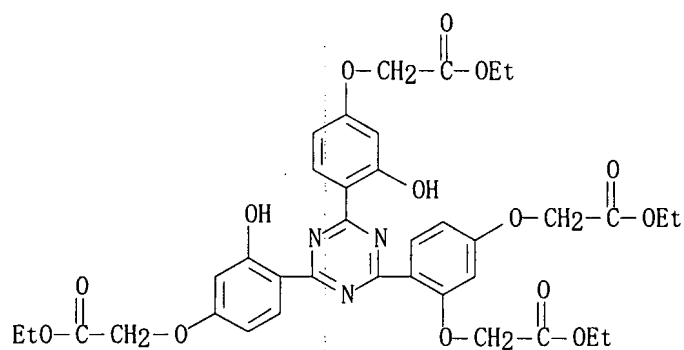
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CN Acetic acid, 2,2'-[[6-[2-ethoxy-4-(2-ethoxy-2-oxoethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[(3-hydroxy-4,1-phenylene)oxy]]bis-, diethyl ester (9CI) (CA INDEX NAME)

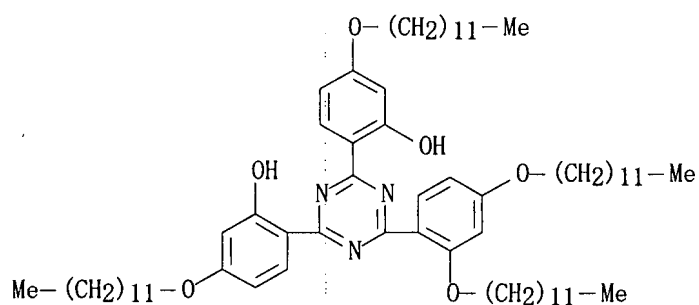


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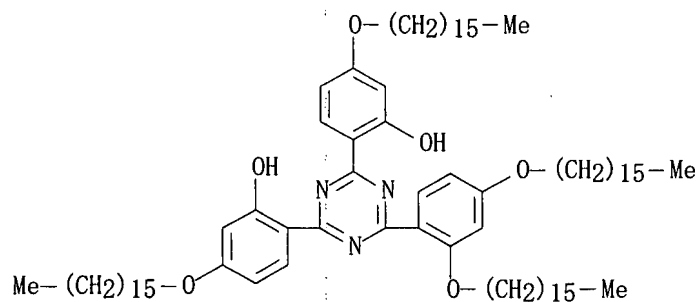
CN Acetic acid, 2,2'-[[4-[4,6-bis[4-(2-ethoxy-2-oxoethoxy)-2-hydroxyphenyl]-1,3,5-triazin-2-yl]-1,3-phenylene]bis(oxy)]bis-, diethyl ester (9CI) (CA INDEX NAME)



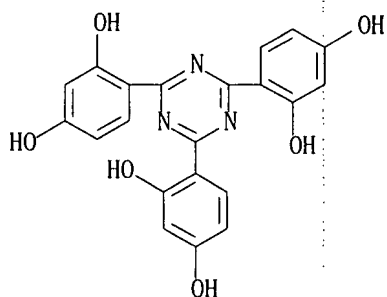
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 CN Phenol, 2,2'-[6-[2,4-bis(dodecyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(dodecyloxy)- (9CI) (CA INDEX NAME)



RN 208343-65-1 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(hexadecyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexadecyloxy)- (9CI) (CA INDEX NAME)

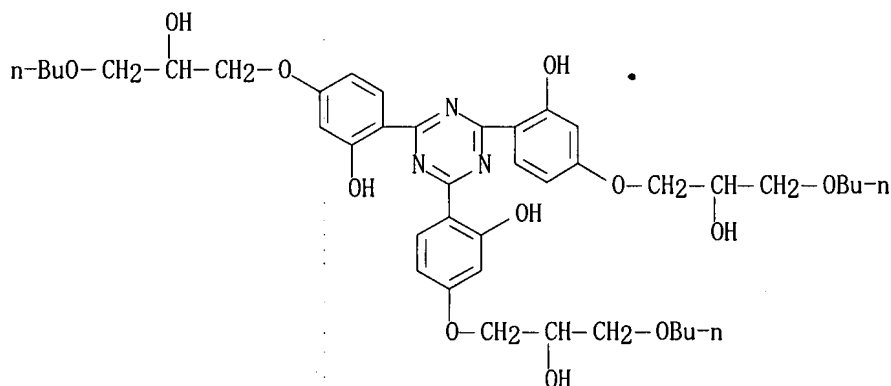


IT 2125-23-7 148236-55-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (in preparation of new light-stabilizing hydroxyphenyl triazine)  
 RN 2125-23-7 CAPLUS  
 CN 1,3-Benzenediol, 4,4',4''-(1,3,5-triazine-2,4,6-triyl)tris- (9CI) (CA INDEX NAME)



RN 148236-55-9 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)



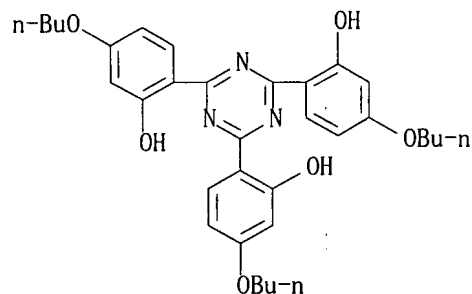
IT 3135-19-1P 13681-75-9P 107387-07-5P  
208343-66-2P 208343-67-3P 208343-68-4P  
208343-69-5P 208343-70-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(in preparation of new light-stabilizing hydroxyphenyl triazine)

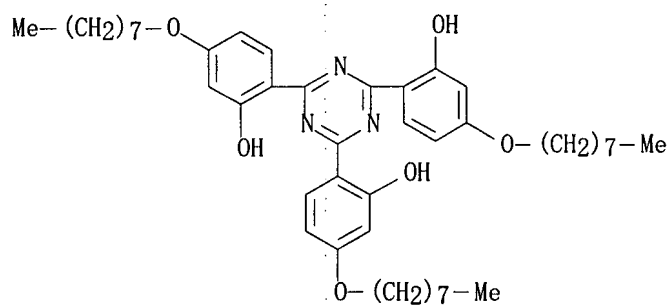
RN 3135-19-1 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-butoxy- (9CI) (CA INDEX NAME)

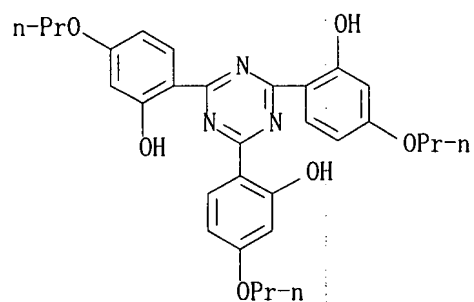


RN 13681-75-9 CAPLUS

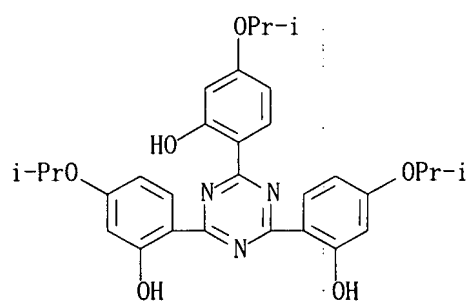
CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(octyloxy)- (CA INDEX NAME)



RN 107387-07-5 CAPLUS  
 CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-propoxy- (9CI) (CA INDEX NAME)

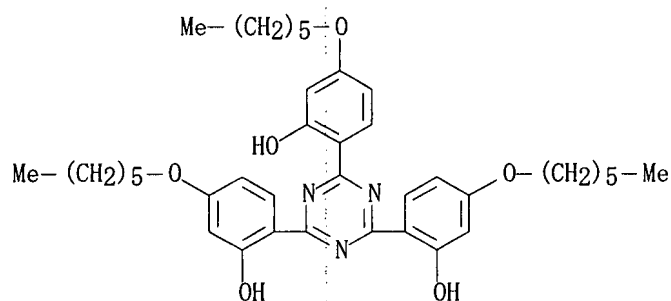


RN 208343-66-2 CAPLUS  
 CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)

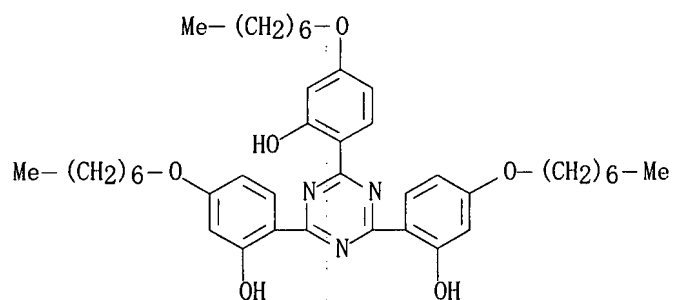


RN 208343-67-3 CAPLUS  
 CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(hexyloxy)- (9CI) (CA INDEX NAME)



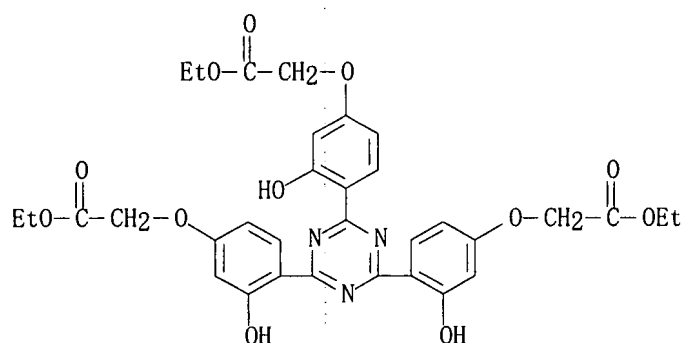


RN 208343-68-4 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(heptyloxy)- (9CI)  
(CA INDEX NAME)

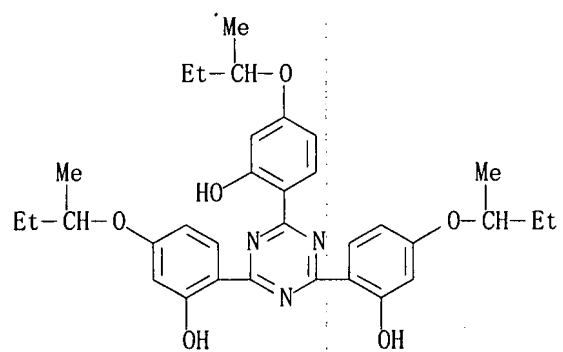
RN 208343-69-5 CAPLUS

CN Acetic acid, 2,2',2''-[(1,3,5-triazine-2,4,6-triyl)tris[(3-hydroxy-4,1-phenylene)oxy]]tris-, triethyl ester (9CI) (CA INDEX NAME)



RN 208343-70-8 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(1-methylpropoxy)- (9CI) (CA INDEX NAME)



L15 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:224042 CAPLUS  
 DOCUMENT NUMBER: 126:216456  
 TITLE: Sunscreen compositions containing triazines  
 INVENTOR(S): Luther, Helmut; Stehlein, Albert; Minklei, Marina  
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9703643	A1	19970206	WO 1996-EP3044	19960711
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2227004	A1	19970206	CA 1996-2227004	19960711
AU 9665199	A	19970218	AU 1996-65199	19960711
AU 699875	B2	19981217		
EP 840595	A1	19980513	EP 1996-924893	19960711
EP 840595	B1	20001004		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
BR 9609538	A	19990223	BR 1996-9538	19960711
JP 2000501064	T	20000202	JP 1997-506256	19960711
JP 3960625	B2	20070815		
AT 196730	T	20001015	AT 1996-924893	19960711
ES 2151670	T3	20010101	ES 1996-924893	19960711
IL 122788	A	20010319	IL 1996-122788	19960711
PT 840595	T	20010330	PT 1996-924893	19960711
GB 2303549	A	19970226	GB 1996-14912	19960716
US 5980872	A	19991109	US 1998-26	19980420
PRIORITY APPLN. INFO.:			GB 1995-15048	A 19950722
			WO 1996-EP3044	W 19960711

OTHER SOURCE(S): MARPAT 126:216456

## ABSTRACT:

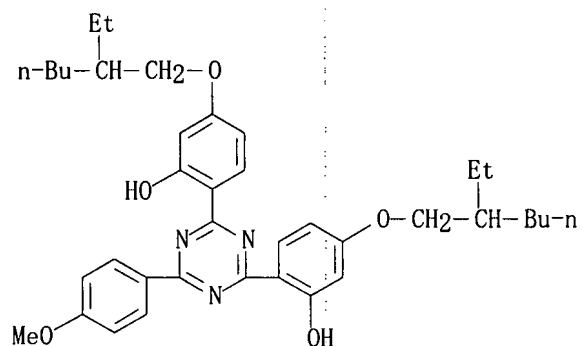
The present invention provides a method of producing a composition, suitable for use in pharmaceutical or cosmetic compns., comprising a micronized insol. organic UV absorber, which method comprises grinding the insol. organic \*\*\*UV\*\*\* absorber, in coarse particle form, in a grinding apparatus, in the presence of 0.1 to 30 % by weight of an alkyl polyglucoside having the formula  $C_nH_{2n+10}(C_6H_{10}O_5)_xH$ , in which n is an integer ranging from 8 to 16 and x is the mean polymerization level of the glucoside moiety ( $C_6H_{10}O_5$ ) and ranges from 1.4 to 1.6, or an ester thereof.

IT 187393-00-6 187393-01-7 187393-04-0  
 187393-05-1

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (sunscreen compns. containing triazines)

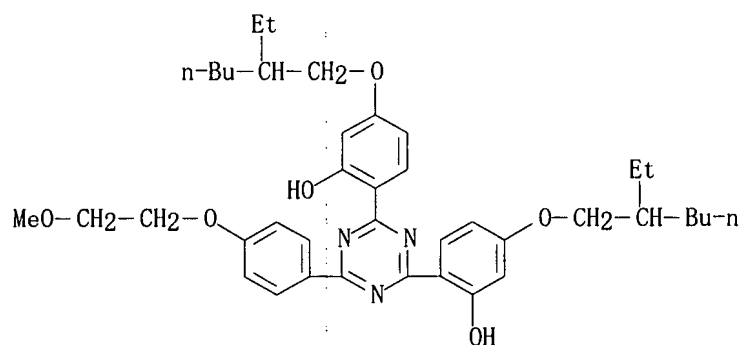
RN 187393-00-6 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]]- (CA INDEX NAME)



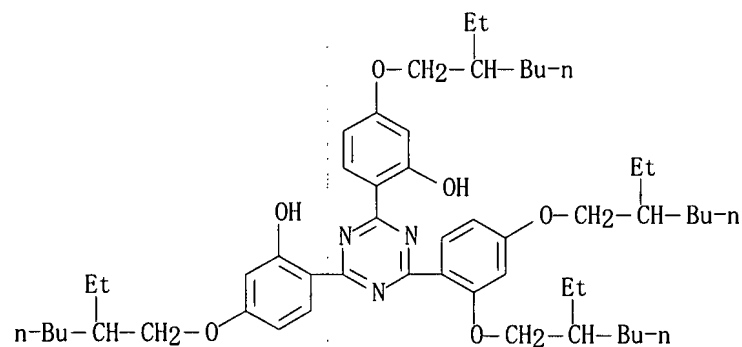
RN 187393-01-7 CAPLUS

CN Phenol, 2,2'-[6-[4-(2-methoxyethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



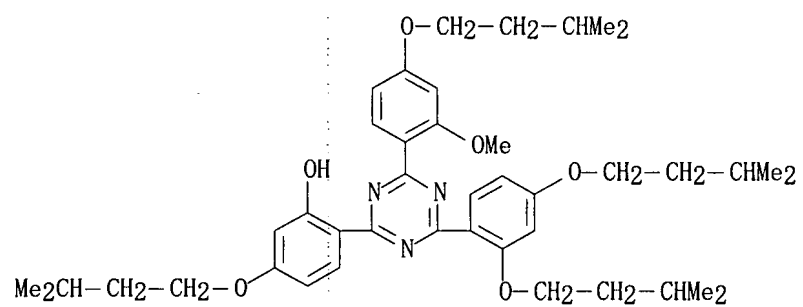
RN 187393-04-0 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



RN 187393-05-1 CAPLUS

CN Phenol, 2-[4-[2,4-bis(3-methylbutoxy)phenyl]-6-[2-methoxy-4-(3-methylbutoxy)phenyl]-1,3,5-triazin-2-yl]-5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



L15 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:187205 CAPLUS

DOCUMENT NUMBER: 126:190759

TITLE: A triazine compound for sunscreen compositions

INVENTOR(S): Stehlin, Albert; Kreyer, Gilbert; Luther, Helmut

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9703642	A1	19970206	WO 1996-EP3043	19960711
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9666142	A	19970218	AU 1996-66142	19960711
GB 2303548	A	19970226	GB 1996-14911	19960716
PRIORITY APPLN. INFO.:			GB 1995-15049	A 19950722
			GB 1996-4154	A 19960227
			WO 1996-EP3043	W 19960711

OTHER SOURCE(S): MARPAT 126:190759

ABSTRACT:

The present invention relates to new formulations of a triazine derivative as

\*\*\*UV\*\*\* absorbers and to their use in sunscreen compns.

2,4,6-Triamino-p-(carbo-2'-ethylhexyl-1'-oxy)-1,3,5-triazine 50 g was dissolved in 150 g tri-Bu citrate to give a clear solution, which was mixed with PEG-20 sorbitan monooleate, sorbitan monooleate, and water to obtain an oil-in-water sunscreen nanoemulsion.

IT 187393-00-6 187393-01-7 187393-04-0

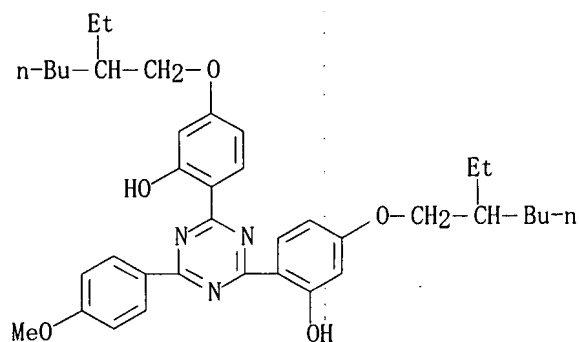
187393-05-1

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(triazine derivs. as sunscreens)

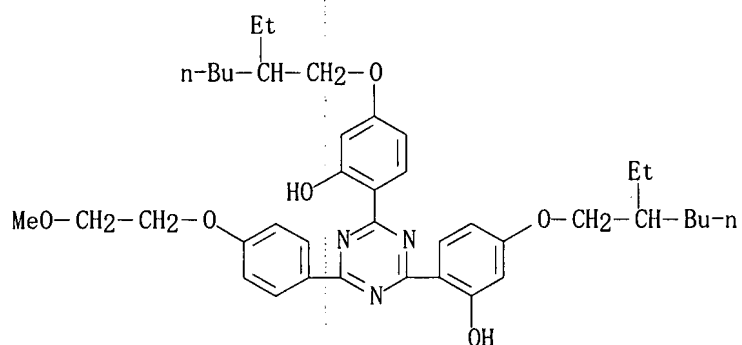
RN 187393-00-6 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



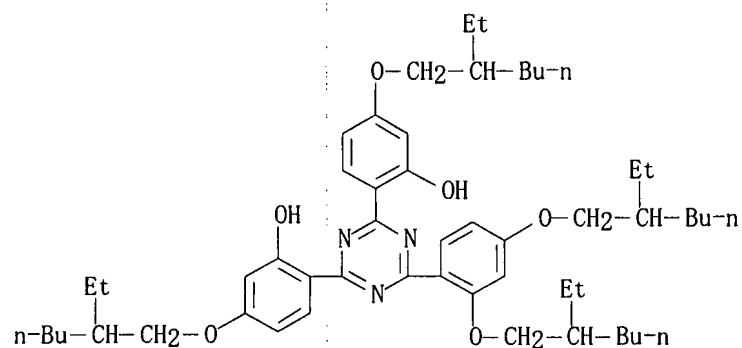
RN 187393-01-7 CAPLUS

CN Phenol, 2,2'-[6-[4-(2-methoxyethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



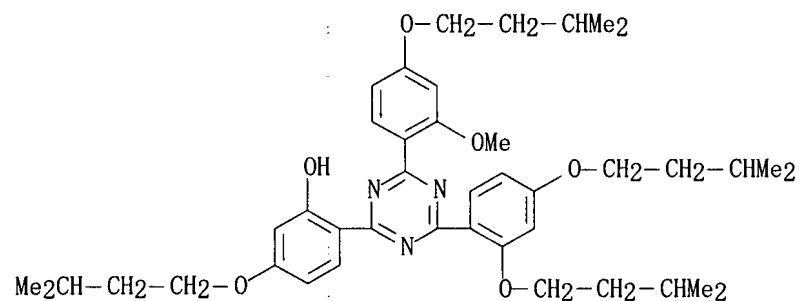
RN 187393-04-0 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



RN 187393-05-1 CAPLUS

CN Phenol, 2-[4-[2,4-bis(3-methylbutoxy)phenyl]-6-[2-methoxy-4-(3-methylbutoxy)phenyl]-1,3,5-triazin-2-yl]-5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



L15 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1965:424201 CAPLUS  
 DOCUMENT NUMBER: 63:24201  
 ORIGINAL REFERENCE NO.: 63:4315b-h  
 TITLE: Hydroxyphenyl-1,3,5-triazine ultraviolet absorbers  
 PATENT ASSIGNEE(S): CIBA Ltd.  
 SOURCE: 27 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Dutch  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 6408514		19650127	NL 1964-8514	19640724
BE 650932			BE	
FR 1405559			FR	
US 3249608			US	
PRIORITY APPLN. INFO.:			CH	19630726

GRAPHIC IMAGE: For diagram(s), see printed CA Issue.

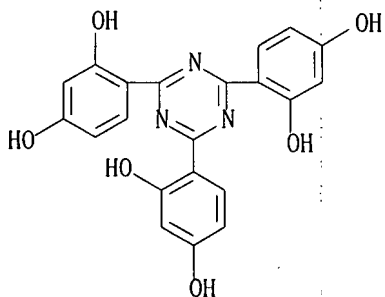
## ABSTRACT:

The title compds. are obtained by Friedel-Crafts reaction from halo-1,3,5-triazines. Thus, 2,4-bis(2,4-dimethylphenyl)-6-(2,4-dihydroxyphenyl)-1,3,5-triazine (I) is synthesized by 2 successive Friedel-Crafts reactions of 1 mol cyanuric chloride with (a) 2 mol 1,3-dimethylbenzene in m-xylene and (b) with 1 mol resorcinol in PhNO<sub>2</sub>. A solution of Ac2O 4 in acetone 50 is dropped at 20-5° into a mixture of I 12 with acetone 100 and pyridine 10 parts. After 6 h. the mixture is refluxed for 5 h. to give II [R1 = R2 = 2,4-Me<sub>2</sub>, R = 2,4-(HO) (AcO)C<sub>6</sub>H<sub>3</sub>], m. 141-3°. Similarly are prepared the following II (R, R1, R2, and m.p. given): Ph, 2,4-(HO) (AcO), 2,4-(HO) (AcO), 203-5°; 2,4-(HO) (AcO)C<sub>6</sub>H<sub>3</sub>, 2,4-(AcO)2, 2,4-(HO) (AcO), 201-3°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-Me<sub>2</sub>, 2,4-(HO) (EtCO<sub>2</sub>), 127-9°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-Me<sub>2</sub>, 2,4-(HO) (2-HOC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 184-5°; Ph, 2,4-(HO) (BzO), 2,4-(HO)2, 243-5°; Ph, 2,4-(HO) (BzO), 2,4-(HO) (BzO), 150-3° and 196-7°; Ph, 2,4-(BzO)3, 2,4-(HO) (BzO), 170-2°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 2,4-Me<sub>2</sub>, 95-6°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (BzO)2, 2,4-Me<sub>2</sub>, 169-70°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 2,4-Me<sub>2</sub>, 199-200°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [4-Me(CH<sub>2</sub>)7OC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>], 2,4-Me, 112-14°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)4CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)4CO<sub>2</sub>], 127-8°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 116-17°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)8CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)8CO<sub>2</sub>], 120-1°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)10CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)10CO<sub>2</sub>], 114-15°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)10CO<sub>2</sub>], 2,4-(HO)2, 168-9°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)16CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)16CO<sub>2</sub>], 105-7°; Ph, 2,4-(HO) (4-tert-BuC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 2,4-(HO) (4-tert-BuC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 255-8°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)2CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)2CO<sub>2</sub>], 149-50°; 4-tert-BuC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 142-3°; 4-MeOC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)6CO<sub>2</sub>], 123-5°; 2,4-(HO) [Me(CH<sub>2</sub>)15CO<sub>2</sub>]C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me(CH<sub>2</sub>)16CO<sub>2</sub>], 2,4-(HO) [Me(CH<sub>2</sub>)16CO<sub>2</sub>], 95-6°; Ph, 2,4-(4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>)2, 2,4-(HO) (4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 278-81°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (EtNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 175°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 172-3°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me(CH<sub>2</sub>)17NHC<sub>2</sub>O], 2,4-Me<sub>2</sub>, 116-19°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (PhNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 177-8°; Ph, 2,4-(HO) [Me(CH<sub>2</sub>)17NHC<sub>2</sub>O], 2,4-(HO) [Me(CH<sub>2</sub>)17NHC<sub>2</sub>O], 187-9°; Ph, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-(HO) (BuNHC<sub>2</sub>O), 224-6°; Ph, 2,4-(HO) (MeCHCO<sub>2</sub>), 2,4-(HO) (MeNHC<sub>2</sub>O), 280°; Ph, 2,4-(HO) (EtNHC<sub>2</sub>O), 2,4-(HO) (EtNHC<sub>2</sub>O), .apprx. 250°; Ph, 2,4-(HO) (PhNHC<sub>2</sub>O), 2,4-(HO) (PhNHC<sub>2</sub>O), .apprx. 210°; 2,4-(HO)2C<sub>6</sub>H<sub>3</sub>, 4-tert-Bu, 2,4-(HO)2, -; 4-tert-BuC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-(HO) (BuNHC<sub>2</sub>O); 182-5° 4-ClC<sub>6</sub>H<sub>4</sub>, 2,4-(HO)2, 2,4-(HO)2, -; 4-ClC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) (3-MeC<sub>6</sub>H<sub>4</sub>NHC<sub>2</sub>O), 2,4-(HO) (3-MeC<sub>6</sub>H<sub>4</sub>NHC<sub>2</sub>O), >350°; 2,4-(HO) (MeNHC<sub>2</sub>O)C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (MeNHC<sub>2</sub>O), 2,4-(HO) (MeNHC<sub>2</sub>O), >360°. Also prepared were III (n = 2), m. 246-8°, and III (n = 4), m. 204-5°, and IV (R = 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>), m. 205-9°. In quantities of 0.1-2%, the compds. increase the light-fastness of textiles, lacquers, films, and cosmetics. The

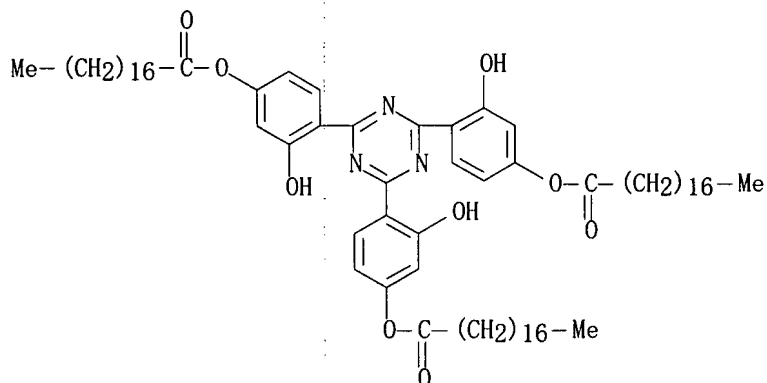


light-transmissibility of a 60  $\mu$  film obtained from an acetone solution containing 10% cellulose acetate and 0.5% II was very little changed by a 100-h. exposure in a Fadeometer.

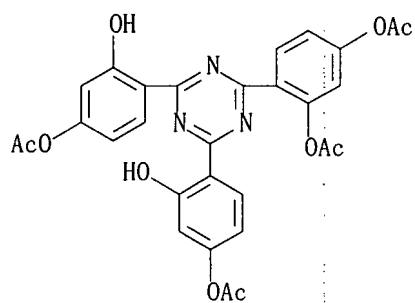
IT 2125-23-7, Resorcinol, 4,4',4''-s-triazine-2,4,6-triyltri-  
(esters)  
RN 2125-23-7 CAPLUS  
CN 1,3-Benzenediol, 4,4',4''-(1,3,5-triazine-2,4,6-triyl)tris- (9CI) (CA  
INDEX NAME)



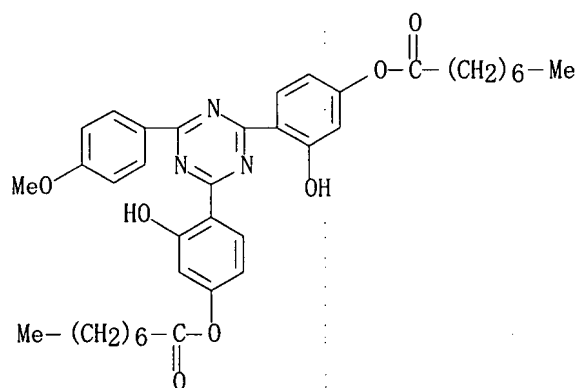
IT 1789-11-3P, Stearic acid, 1,1',1''-triester with  
4,4',4''-s-triazine-2,4,6-triyltri-resorcinol 1789-66-8P,  
Resorcinol, 4,4',4''-s-triazine-2,4,6-triyltri-, 1,1',1'',3-tetraacetate  
1915-59-9P, Resorcinol, 4,4'-[6-(p-methoxyphenyl)-s-triazine-2,4-  
diyl]di-, 1,1'-dioctanoate  
RL: PREP (Preparation)  
(preparation of)  
RN 1789-11-3 CAPLUS  
CN Octadecanoic acid, 1,3,5-triazine-2,4,6-triyltris(3-hydroxy-4,1-phenylene)  
ester (9CI) (CA INDEX NAME)



RN 1789-66-8 CAPLUS  
CN 1,3-Benzenediol, 4,4'-[6-[2,4-bis(acetyloxy)phenyl]-1,3,5-triazine-2,4-  
diyl]bis-, 1,1'-diacetate (9CI) (CA INDEX NAME)



RN 1915-59-9 CAPLUS  
 CN Octanoic acid, 1,1'-diester with 4,4'-[6-(p-methoxyphenyl)-s-triazine-2,4-diyl]diresorcinol (7CI, 8CI) (CA INDEX NAME)



=> d 114 1-9 bib abs hitstr

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:676208 CAPLUS  
 DN 146:168787  
 TI Use of amino hydroxy benzophenone derivatives for protecting human hair and skin  
 AU Anon.  
 CS USA  
 SO IP.com Journal (2006), 6(6A), 14 (No. IPCOM000136730D), 30 May 2006  
 CODEN: IJPOBX; ISSN: 1533-0001  
 PB IP.com, Inc.  
 DT Journal; Patent  
 LA English  
 PATENT NO. KIND DATE APPLICATION NO. DATE

PI IP 136730D 20060530

PRAI IP 2006-136730D 20060530

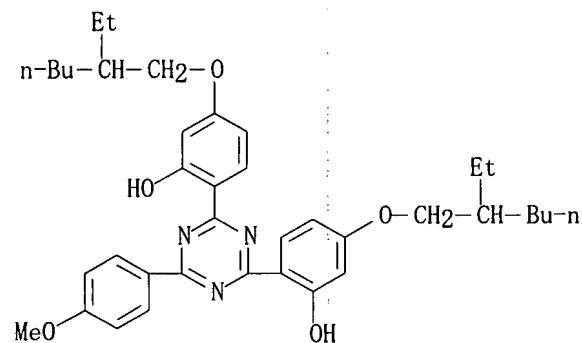
AB Disclosed are specific micronized organic UV absorbers from the class of the benzophenone derivs. which are useful for protecting human hair and skin against UV radiation and skin aging and preventing tanning. A further subject of the disclosure are cosmetic or dermatol. compns. comprising these UV absorbers.

IT 187393-00-6 600127-05-7

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (amino hydroxy benzophenone derivs. for protecting human hair and skin)

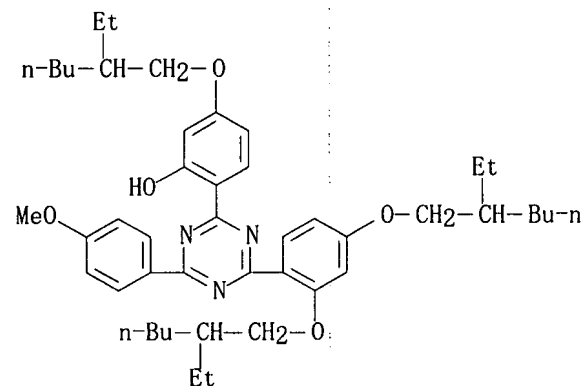
RN 187393-00-6 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)





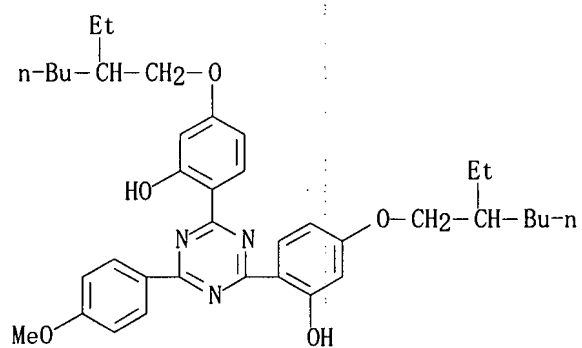
L14 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:803835 CAPLUS  
 DN 141:300991  
 TI Symmetrical triazine derivatives as UV absorbers  
 IN Ehliis, Thomas; Muller, Stefan; Hayoz, Pascal  
 PA Germany  
 SO U.S. Pat. Appl. Publ., 54 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004191191	A1	20040930	US 2004-804676	20040319
	AU 2004224086	A1	20041007	AU 2004-224086	20040319
	WO 2004085412	A2	20041007	WO 2004-EP50331	20040319
	WO 2004085412	A3	20050210		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1606270	A2	20051221	EP 2004-721908	20040319
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
	BR 2004008994	A	20060328	BR 2004-8994	20040319
	CN 1774426	A	20060517	CN 2004-80010224	20040319
	JP 2006523197	T	20061012	JP 2006-505476	20040319
	IN 2005CN02734	A	20070608	IN 2005-CN2734	20051021
PRAI	EP 2003-100758	A	20030324		
	EP 2003-102325	A	20030729		
	WO 2004-EP50331	A	20040319		
OS	MARPAT 141:300991				

AB The present invention relates to the use of specific sym. triazine derivs. for the protection of human and animal hair and skin against the damaging effect of UV radiation, cosmetic compns. comprising these triazine derivs., and process for the preparation of these compds. The compds. can be used in micronized or soluble form. For example, cyanuric chloride (9.2 g, 0.05 mol) was added to melted biphenyl (200.0 g, 1.28 mol) and hydrogen chloride was discharged for 10 min. Aluminum chloride (20.0 g, 0.15 mol) was added within 40 min in 5 equal portions, whereby hydrogen chloride was discharged again after the first two addns. After termination of the reaction 95% ethanol (200 mL) was added dropwise slowly. The reaction mixture was heated up for 1 h under reflux. Finally, acetone (400 mL) was added and agitated for 1 h, cooled down to room temperature and the failed product was filtered under suction. Yield of tris(biphenyl)-1,3,5-triazine was approx. 65%. Various cosmetic (sunscreen) formulations were prepared using tris(biphenyl)-1,3,5-triazine and other triazine UV absorbers.

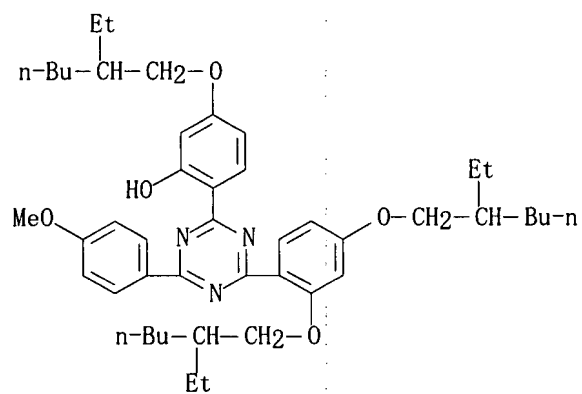
IT 187393-00-6P 600127-05-7P  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (sym. triazine derivs. as UV absorbers for cosmetics)

RN 187393-00-6 CAPLUS  
 CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



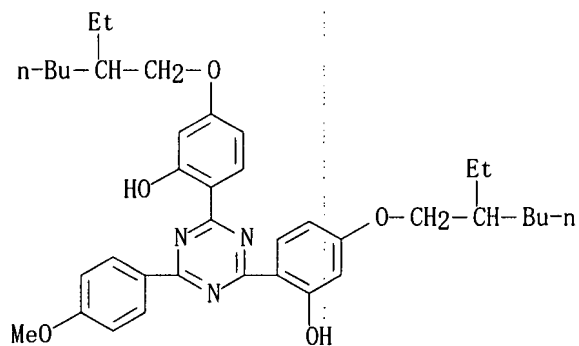
L14 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2003:737542 CAPLUS  
 DN 139:249988  
 TI UV absorber compositions comprising a hydroxyphenyltriazine  
 IN Haase, Juerg; Ehli, Thomas; Borsos, Elek; Hueglin, Dietmar; Herzog, Bernd  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003075875	A1	20030918	WO 2003-EP2200	20030304
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003214092	A1	20030922	AU 2003-214092	20030304
EP 1482904	A1	20041208	EP 2003-709744	20030304
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008369	A	20050111	BR 2003-8369	20030304
CN 1642522	A	20050720	CN 2003-805915	20030304
JP 2005532273	T	20051027	JP 2003-574151	20030304
US 2005129632	A1	20050616	US 2004-507295	20040909
IN 2004CN02266	A	20070720	IN 2004-CN2266	20041008
PRAI EP 2002-405188	A	20020312		
WO 2003-EP2200	W	20030304		

OS MARPAT 139:249988  
 AB UV absorber compns. comprise 1-99% a hydroxyphenyltriazine compound and 99-1% a further UV absorber selected from the group of hydroxyphenyltriazines that are different from the 1st hydroxyphenyltriazine, benzotriazoles, dibenzoylmethane and camphor derivs. The compns. are suitable as UV filters in cosmetic compns. Thus, a hydroxyphenyltriazine compound was prepared and an emulsion formulation contained the hydroxyphenyltriazine 3, sesame oil 10 glyceryl stearate 4, stearic acid 1, cetyl alc. 0.5, Polysorbate-20 0.2, propylene glycol 4, propylparaben 0.05, methylparaben 0.15, triethanolamine 0.1, and Carbomer-934 0.1 g, and water to 100 mL.

IT 187393-00-6P  
 RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (UV absorber compns. comprising hydroxyphenyltriazine)  
 RN 187393-00-6 CAPLUS  
 CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)





IT 600127-05-7P 600127-06-8P 600127-07-9P

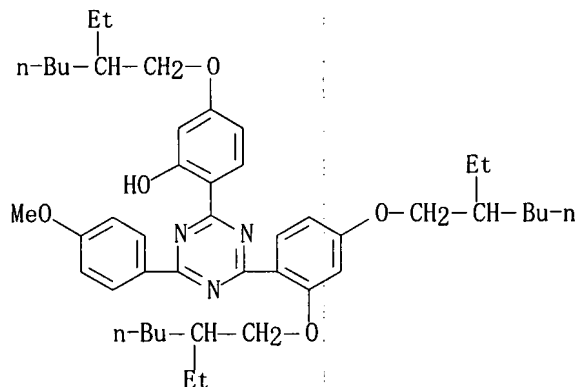
600127-08-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(UV absorber compns. comprising hydroxyphenyltriazine)

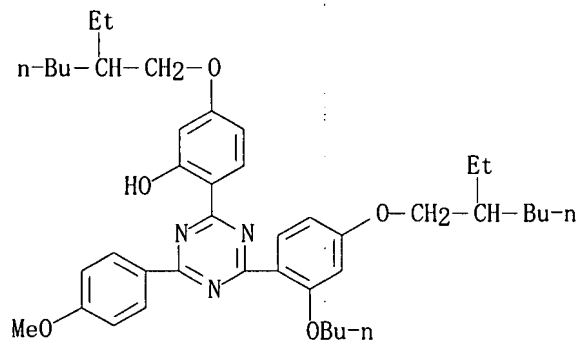
RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



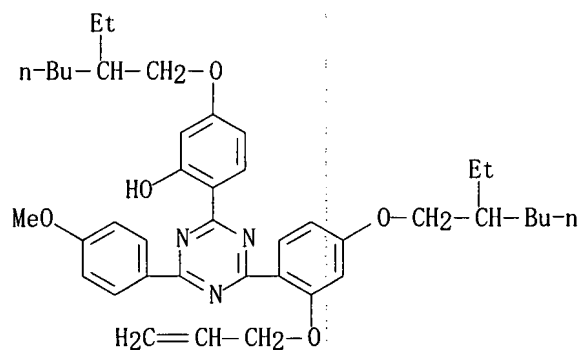
RN 600127-06-8 CAPLUS

CN Phenol, 2-[4-[2-butoxy-4-[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)

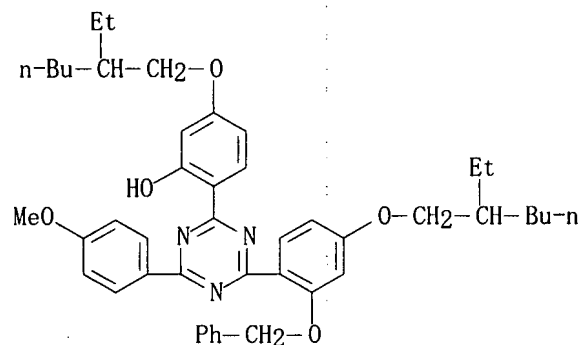


RN 600127-07-9 CAPLUS

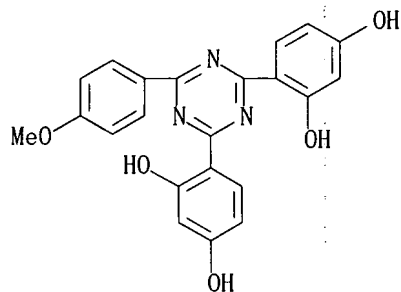
CN Phenol, 5-[(2-ethylhexyl)oxy]-2-[4-[4-[(2-ethylhexyl)oxy]-2-(2-propenyloxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



RN 600127-08-0 CAPLUS  
 CN Phenol, 5-[ (2-ethylhexyl)oxy]-2-[4-[4-[ (2-ethylhexyl)oxy]-2-(phenylmethoxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (CA INDEX NAME)



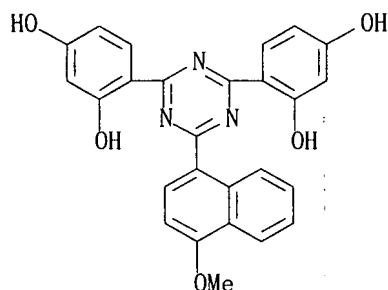
IT 1440-00-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (UV absorber compns. comprising hydroxyphenyltriazine)  
 RN 1440-00-2 CAPLUS  
 CN 1,3-Benzenediol, 4,4'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis-(9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2003:335176 CAPLUS  
 DN 138:339054  
 TI Naphthyltriazines as stabilizers for organic material  
 IN Toan, Vien Van; Metzger, Georges; Schaefer, Thomas; Biry, Stephane;  
 Bulliard, Christophe; Reinehr, Dieter; Michaelis, Peter  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 85 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003035734	A1	20030501	WO 2002-EP11347	20021010
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002362976	A1	20030506	AU 2002-362976	20021010
EP 1463774	A1	20041006	EP 2002-801886	20021010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1571814	A	20050126	CN 2002-820590	20021010
JP 2005506384	T	20050303	JP 2003-538246	20021010
US 2005038245	A1	20050217	US 2004-492721	20041006
US 2005169859	A1	20050804	US 2005-98640	20050404
US 7087753	B2	20060808		
PRAI CH 2001-1919	A	20011018		
WO 2002-EP11347	W	20021010		
US 2004-492721	A1	20041006		
OS MARPAT 138:339054				
AB The invention relates to novel compds. of the 2-hydroxyphenyl-1,3,5-triazine type that comprise one or two ox- or 3-bonded naphthyl groups (e.g., bis- $\alpha$ -naphthyl-(2-hydroxy-4-n-hexyloxyphenyl)triazine). The compds. are suitable for stabilizing organic material, especially plastics materials, surface-coatings, cosmetic preps., sun protection agents or photog. material, against damage by light, oxygen and/or heat.				
IT 518045-63-1P				
RL: IMF (Industrial manufacture); PRP (Properties); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent) (intermediate; naphthyltriazines as stabilizers for organic material)				
RN 518045-63-1 CAPLUS				
CN 1,3-Benzenediol, 4,4'-[6-(4-methoxy-1-naphthalenyl)-1,3,5-triazine-2,4-diyl]bis- (9CI) (CA INDEX NAME)				

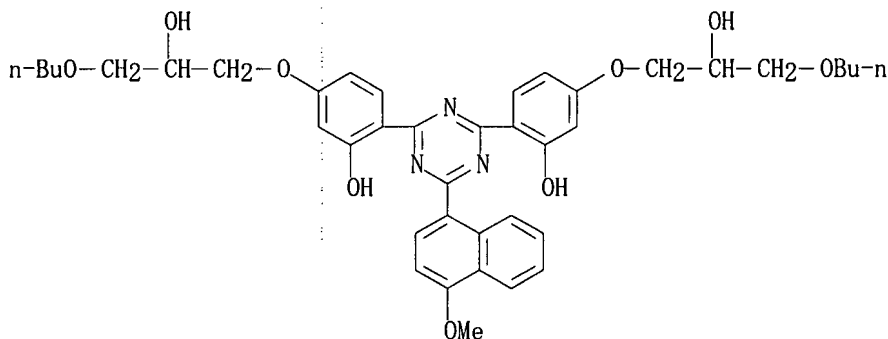


IT 518045-64-2P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP  
(Properties); PREP (Preparation); USES (Uses)  
(stabilizers; naphthyltriazines as stabilizers for organic material)

RN 518045-64-2 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxy-1-naphthalenyl)-1,3,5-triazine-2,4-diyl]bis[5-  
(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)

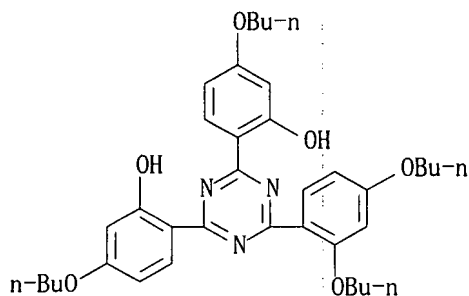


IT 208343-47-9

RL: MOA (Modifier or additive use); USES (Uses)  
(stabilizers; naphthyltriazines as stabilizers for organic material)

RN 208343-47-9 CAPLUS

CN Phenol, 2,2'-[6-(2,4-dibutoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy-  
(CA INDEX NAME)



RE. CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2000:911045 CAPLUS  
 DN 134:76129  
 TI Micropigment mixture for sunscreen formulations  
 IN Luther, Helmut  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2

DT Patent

LA German

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000078277	A1	20001228	WO 2000-EP5314	20000608
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000011766	A	20020305	BR 2000-11766	20000608
	EP 1187598	A1	20020320	EP 2000-949173	20000608
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2003502354	T	20030121	JP 2001-504342	20000608
	AU 778175	B2	20041118	AU 2000-62626	20000608
	US 6746666	B1	20040608	US 2001-18199	20011214
	MX 2001PA13101	A	20020604	MX 2001-PA13101	20011218
PRAI	EP 1999-810543	A	19990618		
	WO 2000-EP5314	W	20000608		

OS MARPAT 134:76129

AB The invention relates to the use of mixts. of micronized organic UV filters for the protection of the human and animal skin and hair from the detrimental effects of UV radiation. The invention also relates to the use of said mixts. in cosmetic and pharmaceutical formulations. The micronized mixts. used according to the invention cover a broad UV range and therefore have excellent sun protection properties. Thus, 32 parts octyltriazone, 1 part cetyltrimethylammonium bromide, and 66 parts methylene bisbenzotriazolyltetramethylbutylphenol were melted and the colled mas was subjected to size reduction. This product was mixed with decyl glucoside and water and further micronized. This composite was mixed with citric for use in sunscreen or pharmaceutical formulations.

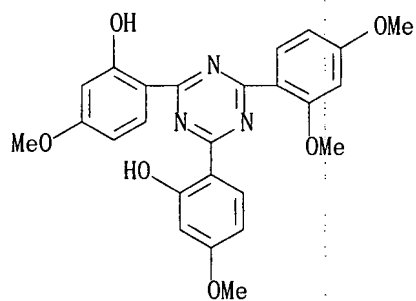
IT 103734-29-8

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(micropigment mixture for sunscreen formulations)

RN 103734-29-8 CAPLUS

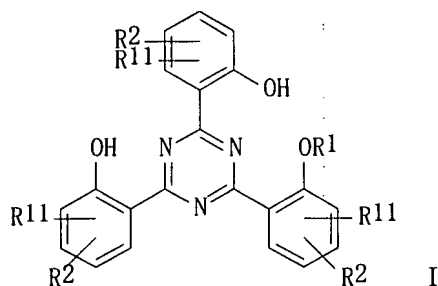
CN Phenol, 2,2'-[6-(2,4-dimethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-methoxy- (9CI) (CA INDEX NAME)



RE. CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

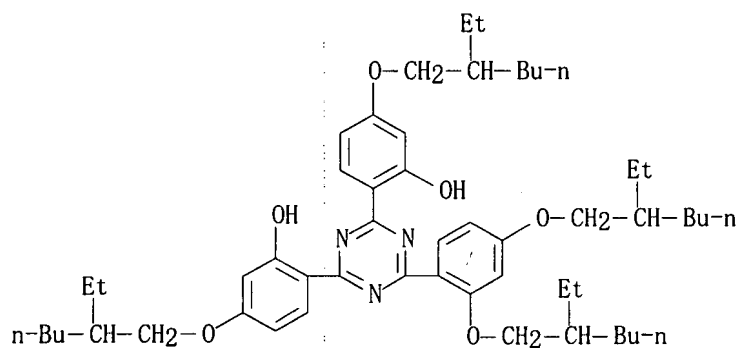
L14 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1998:357645 CAPLUS  
 DN 129:47336  
 TI New light-stabilizing hydroxyphenyl triazine  
 IN Hueglin, Dietmar; Van Toan, Vien; Luther, Helmut; Bulliard, Christophe;  
 Rytz, Gerhard  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO Ger. Offen., 126 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN. CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19750906	A1	19980528	DE 1997-19750906	19971117
	GB 2319523	A	19980527	GB 1997-22825	19971030
	GB 2319523	B	20001108		
	CH 692916	A5	20021213	CH 1997-2613	19971110
	SE 9704171	A	19980521	SE 1997-4171	19971114
	SE 522685	C2	20040224		
	AU 9745207	A	19980528	AU 1997-45207	19971114
	AU 734952	B2	20010628		
	CA 2221473	A1	19980520	CA 1997-2221473	19971118
	FR 2755966	A1	19980522	FR 1997-14417	19971118
	FR 2755966	B1	20001013		
	BE 1011550	A3	19991005	BE 1997-920	19971118
	NO 9705305	A	19980522	NO 1997-5305	19971119
	NO 318981	B1	20050530		
	CN 1183410	A	19980603	CN 1997-123135	19971119
	JP 10182621	A	19980707	JP 1997-334915	19971119
	BR 9704843	A	19981027	BR 1997-4843	19971119
	ES 2135347	A1	19991016	ES 1997-2417	19971119
	ES 2135347	B1	20000516		
	AT 9701963	A	20020815	AT 1997-1963	19971119
	AT 410317	B	20030325		
	NL 1007590	A1	19980525	NL 1997-1007590	19971120
	NL 1007590	C2	19981027		
	TW 546291	B	20030811	TW 1997-86119398	19971218
	US 6284821	B1	20010904	US 2000-715799	20001117
	PRAI CH 1996-2864	A	19961120		
	US 1997-974263	A3	19971119		
OS	MARPAT 129:47336				
GI					

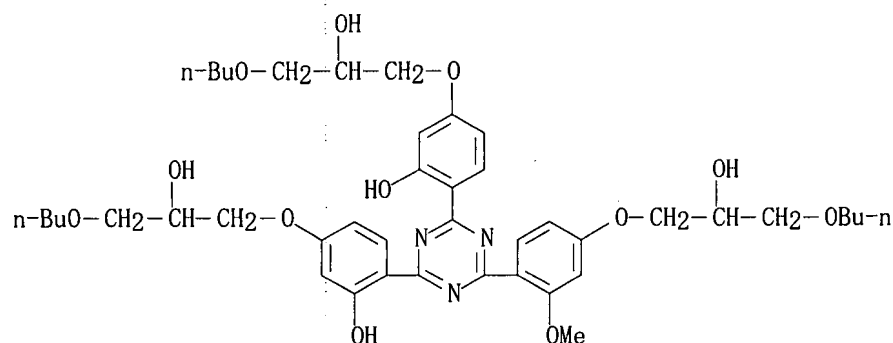


AB The hydroxyphenyl triazine is represented by a general formula I (R1 = C1-18-alkyl, C5-12-cycloalkyl, C3-18-alkenyl, Ph, etc.; R2 = C6-18-alkyl, C2-6-alkenyl, Ph, C7-11-phenylalkyl, etc.; R11 = H, C1-18-alkyl, C3-6-alkenyl, Ph, C7-11-phenylalkyl, halo, C1-18-alkoxy). The new compound stabilizes organic materials which are suitable for use in plastics, coatings, cosmetic sunscreen materials or photog. materials.

IT 187393-04-0P 208343-24-2P 208343-25-3P  
 208343-26-4P 208343-27-5P 208343-28-6P  
 208343-31-1P 208343-34-4P 208343-35-5P  
 208343-36-6P 208343-37-7P 208343-38-8P  
 208343-39-9P 208343-40-2P 208343-41-3P  
 208343-42-4P 208343-43-5P 208343-44-6P  
 208343-45-7P 208343-46-8P 208343-47-9P  
 208343-48-0P 208343-49-1P 208343-50-4P  
 208343-51-5P 208343-52-6P 208343-53-7P  
 208343-54-8P 208343-55-9P 208343-56-0P  
 208343-57-1P 208343-58-2P 208343-59-3P  
 208343-60-6P 208343-61-7P 208343-62-8P  
 208343-63-9P 208343-64-0P 208343-65-1P  
 RL: MOA (Modifier or additive use); SPN (Synthetic preparation); PREP  
 (Preparation); USES (Uses)  
 (in preparation of new light-stabilizing hydroxyphenyl triazine)  
 RN 187393-04-0 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-  
 diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)

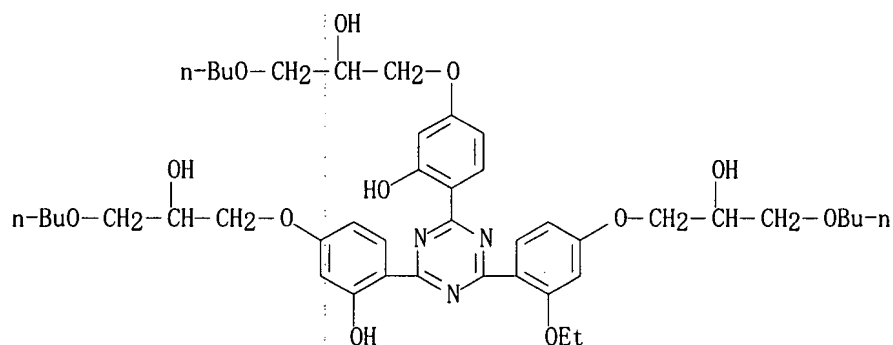


RN 208343-24-2 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-methoxyphenyl]-1,3,5-  
 triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX  
 NAME)

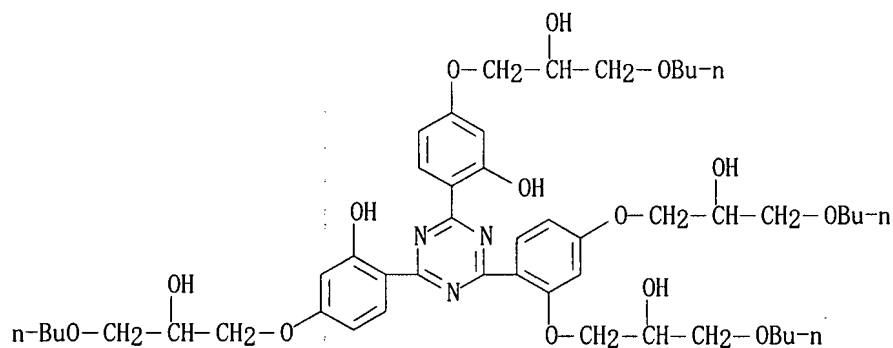


RN 208343-25-3 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-ethoxyphenyl]-1,3,5-  
 triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX  
 NAME)

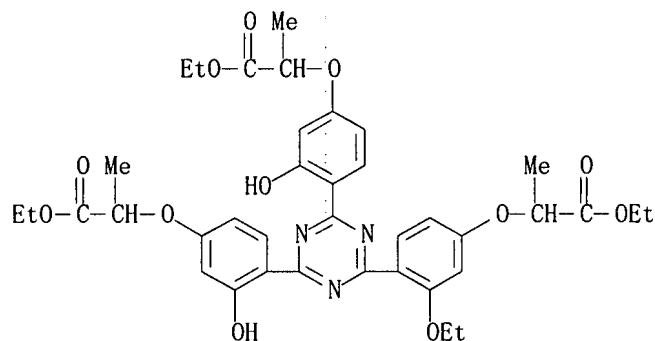




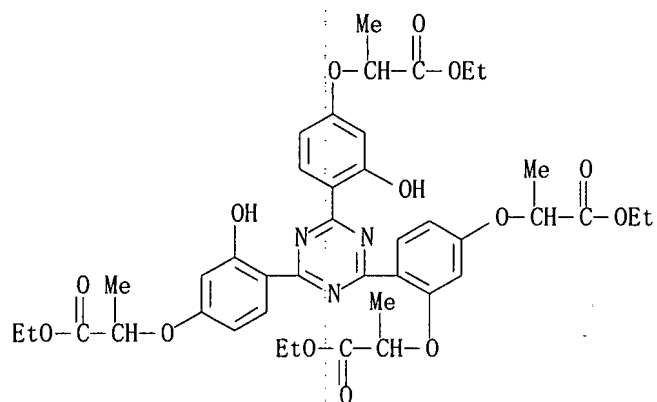
RN 208343-26-4 CAPLUS  
 CN Phenol, 2,2'-(6-[2,4-bis(3-butoxy-2-hydroxypropoxy)phenyl]-1,3,5-triazine-2,4-diyl)bis[5-(3-butoxy-2-hydroxypropoxy)]- (9CI) (CA INDEX NAME)



RN 208343-27-5 CAPLUS  
 CN Propanoic acid, 2,2'-[[6-[2-ethoxy-4-(2-ethoxy-1-methyl-2-oxoethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[(3-hydroxy-4,1-phenylene)oxy]]bis-, diethyl ester (9CI) (CA INDEX NAME)

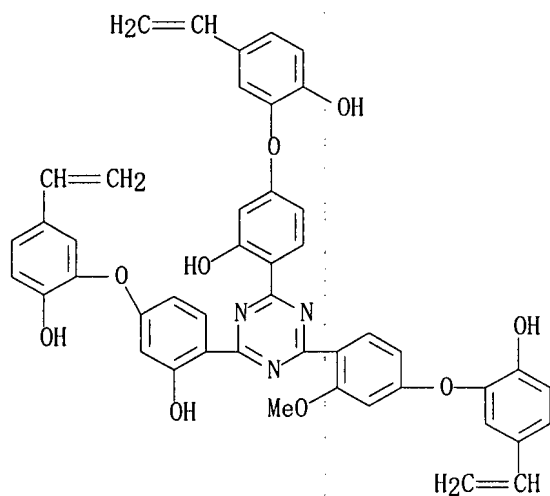


RN 208343-28-6 CAPLUS  
 CN Propanoic acid, 2,2'-[[4-[4,6-bis[4-(2-ethoxy-1-methyl-2-oxoethoxy)-2-hydroxyphenyl]-1,3,5-triazin-2-yl]-1,3-phenylene]bis(oxy)]bis-, diethyl ester (9CI) (CA INDEX NAME)

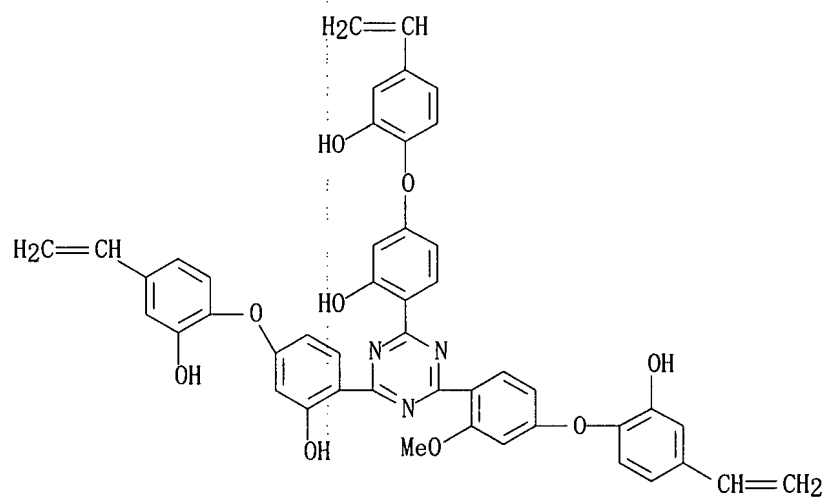


Phenol, 2,2'-[6-[4-(4-ethenyl-2-hydroxyphenoxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(4-ethenyl-2-hydroxyphenoxy)-], mixt. with 2,2'-[6-[4-(5-ethenyl-2-hydroxyphenoxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(5-ethenyl-2-hydroxyphenoxy)phenol] (9CI) (CA INDEX NAME)

CRN 208343-30-0  
CMF C46 H35 N3 09

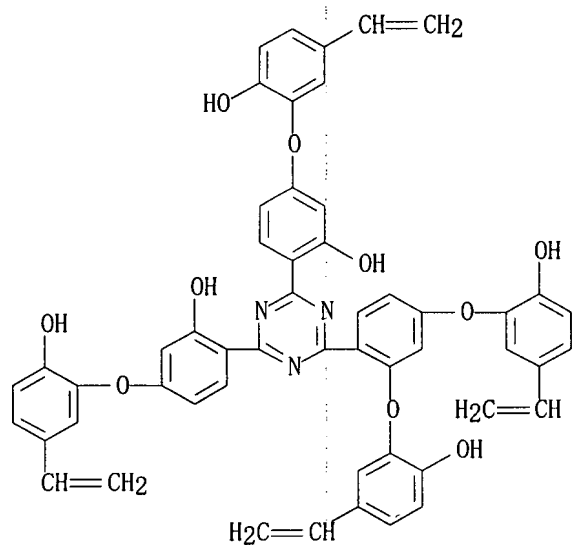


CRN 208343-29-7  
CMF C46 H35 N3 O9



CM 1

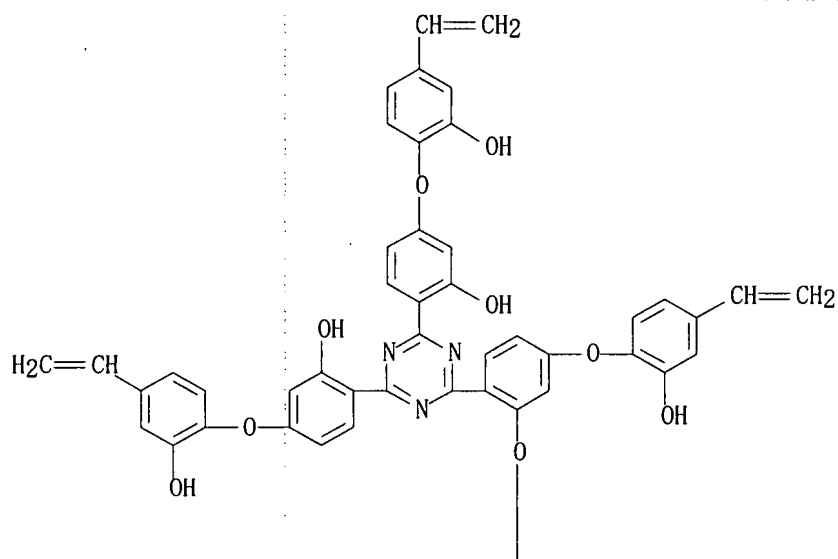
CRN 208343-33-3  
CMF C53 H39 N3 010



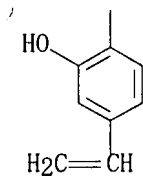
CM 2

CRN 208343-32-2  
CMF C53 H39 N3 010

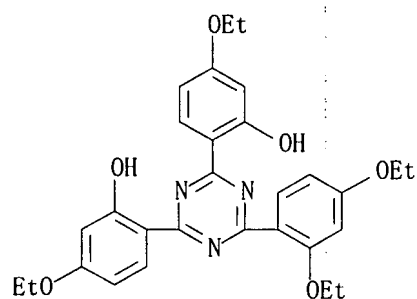
PAGE 1-A



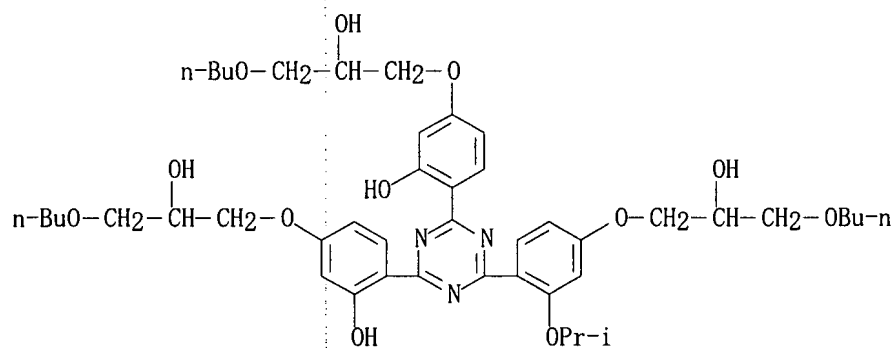
PAGE 2-A



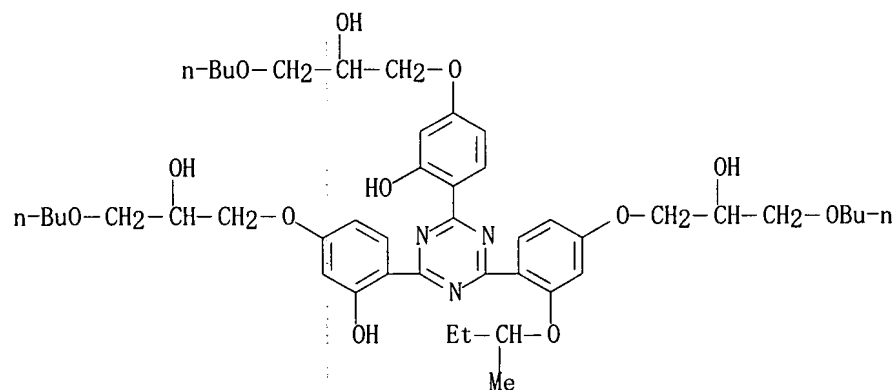
RN 208343-35-5 CAPLUS  
 CN Phenol, 2,2'-[6-(2,4-diethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-ethoxy-(9CI) (CA INDEX NAME)



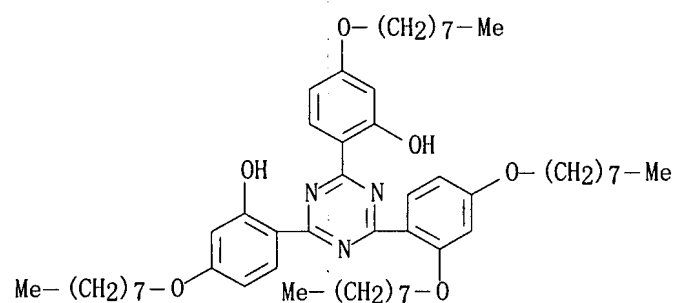
RN 208343-36-6 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)



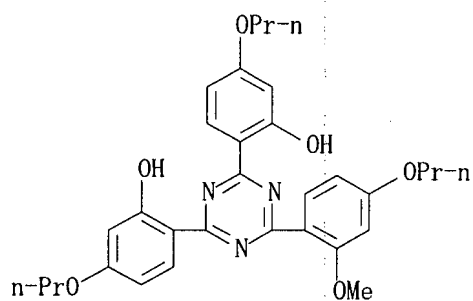
RN 208343-37-7 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(3-butoxy-2-hydroxypropoxy)-2-(1-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-butoxy-2-hydroxypropoxy)-(9CI) (CA INDEX NAME)



RN 208343-38-8 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(octyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(octyloxy)-(9CI) (CA INDEX NAME)

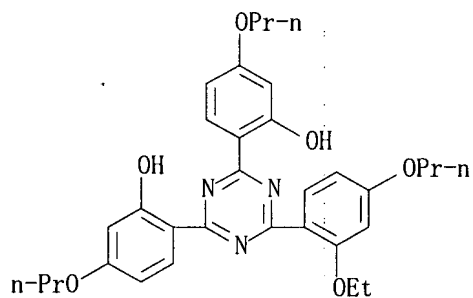


RN 208343-39-9 CAPLUS  
 CN Phenol, 2,2'-[6-(2-methoxy-4-propoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy-(9CI) (CA INDEX NAME)



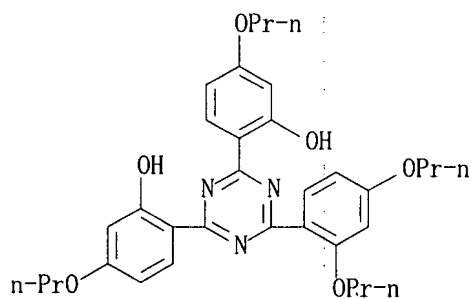
RN 208343-40-2 CAPLUS

CN Phenol, 2,2'-[6-(2-ethoxy-4-propoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy- (9CI) (CA INDEX NAME)



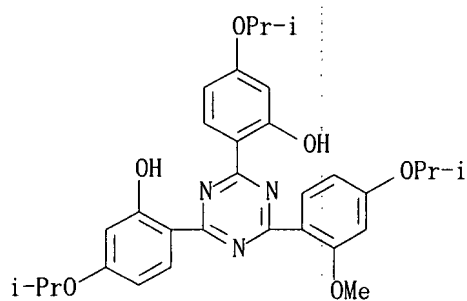
RN 208343-41-3 CAPLUS

CN Phenol, 2,2'-[6-(2,4-dipropoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-propoxy- (9CI) (CA INDEX NAME)



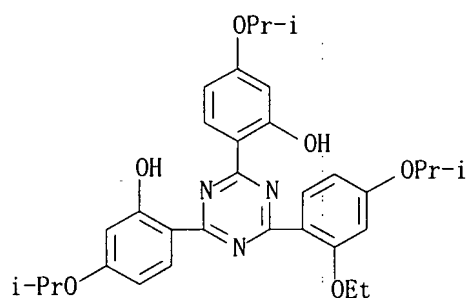
RN 208343-42-4 CAPLUS

CN Phenol, 2,2'-[6-[2-methoxy-4-(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



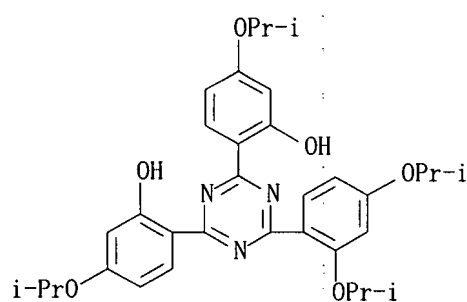
RN 208343-43-5 CAPLUS

CN Phenol, 2,2'-[6-[2-ethoxy-4-(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



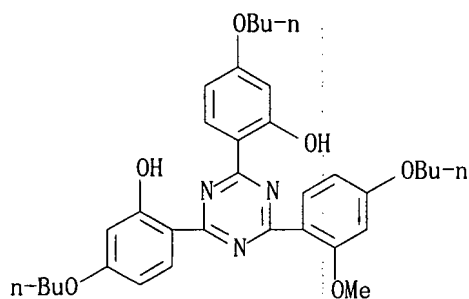
RN 208343-44-6 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis(1-methylethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



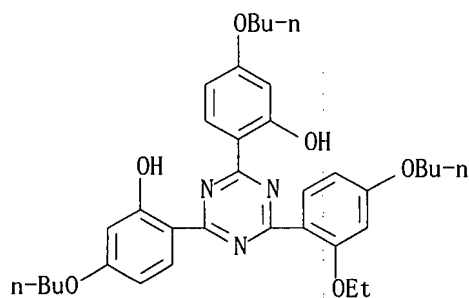
RN 208343-45-7 CAPLUS

CN Phenol, 2,2'-[6-(4-butoxy-2-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy- (9CI) (CA INDEX NAME)



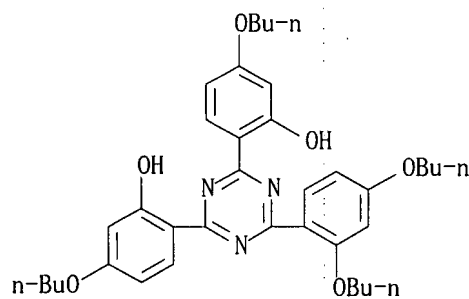
RN 208343-46-8 CAPLUS

CN Phenol, 2,2'-[6-(4-butoxy-2-ethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy- (9CI) (CA INDEX NAME)



RN 208343-47-9 CAPLUS

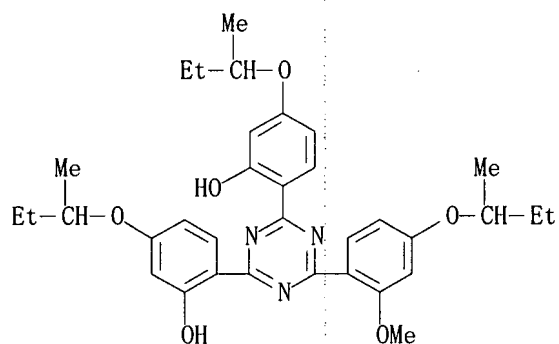
CN Phenol, 2,2'-[6-(2,4-dibutoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-butoxy- (CA INDEX NAME)



RN 208343-48-0 CAPLUS

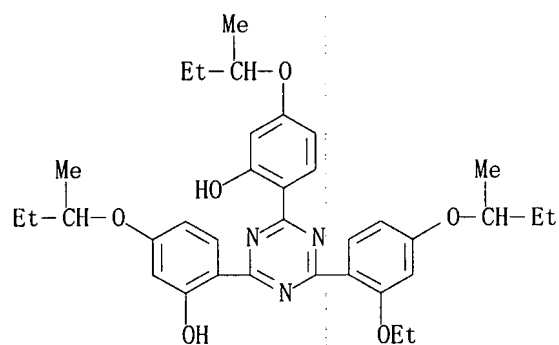
CN Phenol, 2,2'-[6-[2-methoxy-4-(1-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylpropoxy)- (9CI) (CA INDEX NAME)





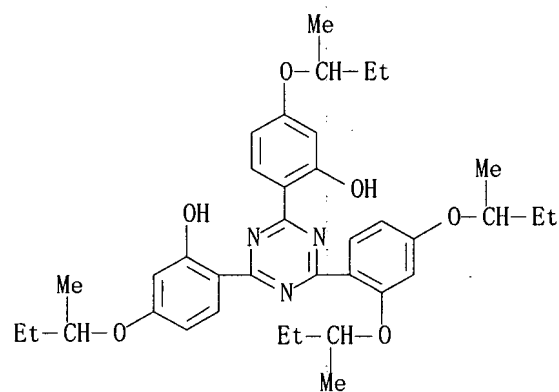
RN 208343-49-1 CAPLUS

CN Phenol, 2,2'-[6-[2-ethoxy-4-(1-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylpropoxy)- (9CI) (CA INDEX NAME)



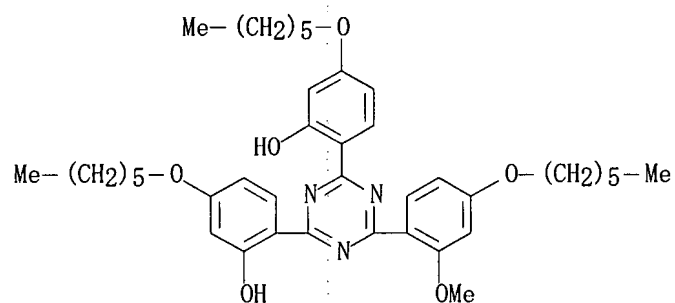
RN 208343-50-4 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis(1-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(1-methylpropoxy)- (9CI) (CA INDEX NAME)



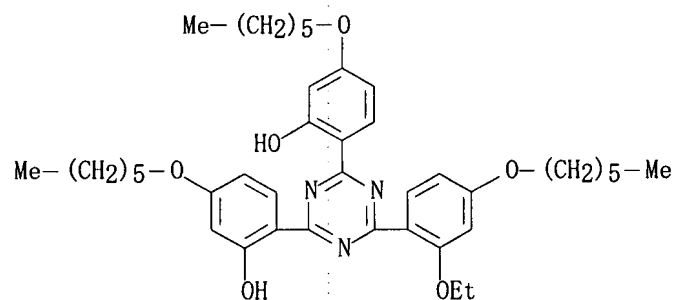
RN 208343-51-5 CAPLUS

CN Phenol, 2,2'-[6-[4-(hexyloxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexyloxy)- (9CI) (CA INDEX NAME)



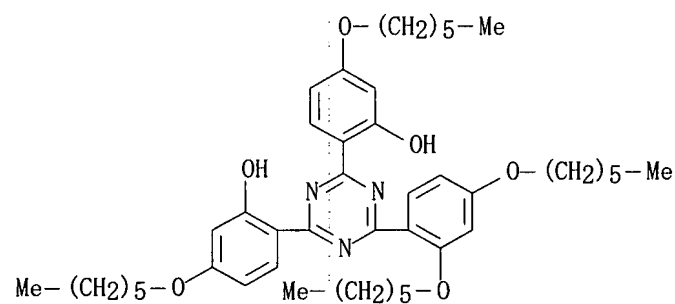
RN 208343-52-6 CAPLUS

CN Phenol, 2,2'-[6-[2-ethoxy-4-(hexyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexyloxy)- (9CI) (CA INDEX NAME)



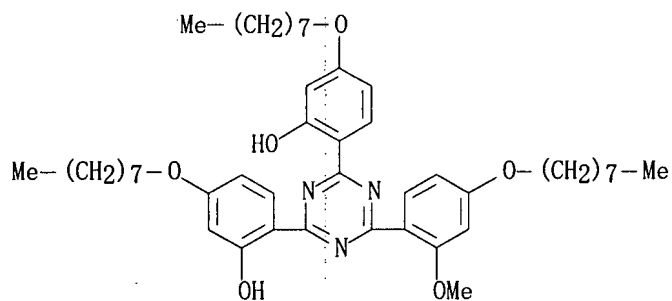
RN 208343-53-7 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis(hexyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexyloxy)- (9CI) (CA INDEX NAME)

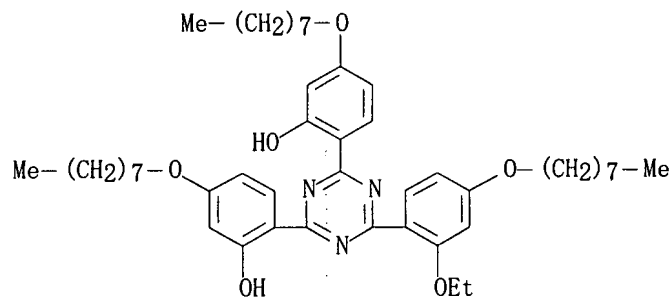


RN 208343-54-8 CAPLUS

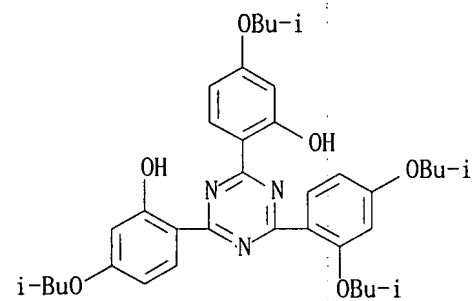
CN Phenol, 2,2'-[6-[2-methoxy-4-(octyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(octyloxy)- (9CI) (CA INDEX NAME)



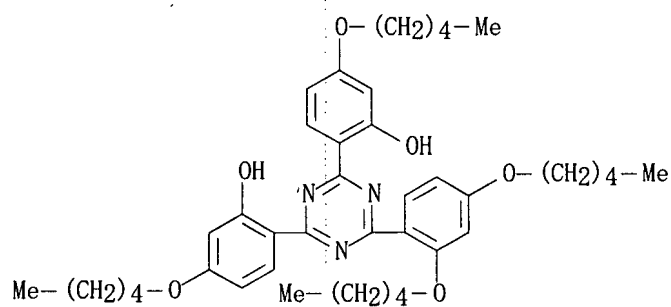
RN 208343-55-9 CAPLUS  
 CN Phenol, 2,2'-[6-[2-ethoxy-4-(octyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(octyloxy)- (9CI) (CA INDEX NAME)



RN 208343-56-0 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(2-methylpropoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(2-methylpropoxy)- (9CI) (CA INDEX NAME)

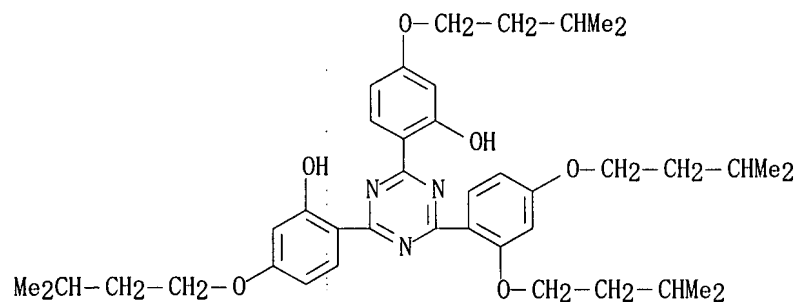


RN 208343-57-1 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(pentyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(pentyloxy)- (9CI) (CA INDEX NAME)



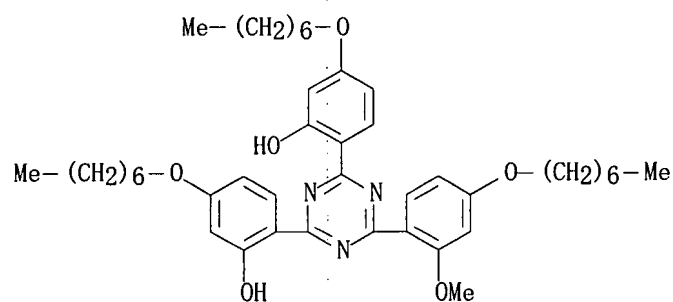
RN 208343-58-2 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis(3-methylbutoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



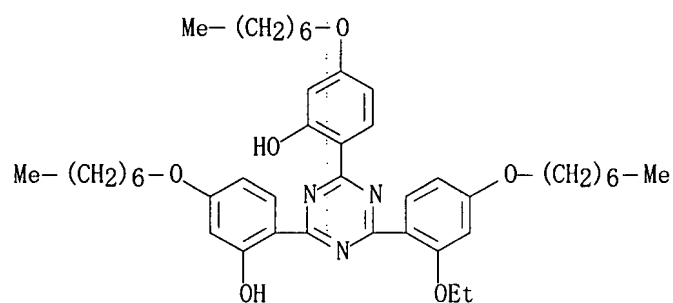
RN 208343-59-3 CAPLUS

CN Phenol, 2,2'-[6-[4-(heptyloxy)-2-methoxyphenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



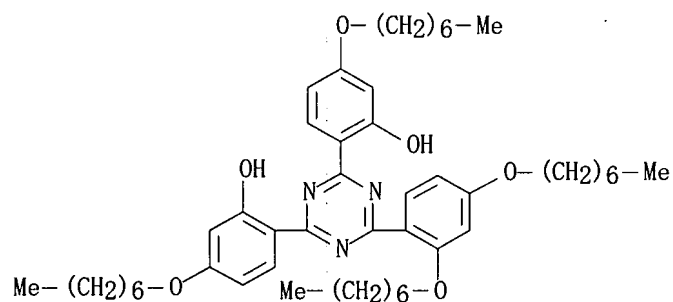
RN 208343-60-6 CAPLUS

CN Phenol, 2,2'-[6-[2-ethoxy-4-(heptyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



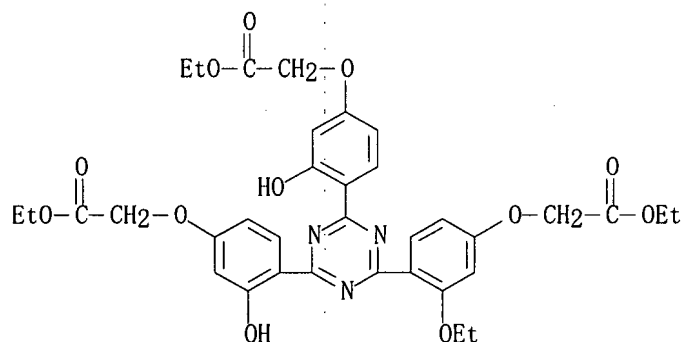
RN 208343-61-7 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis(heptyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(heptyloxy)- (9CI) (CA INDEX NAME)



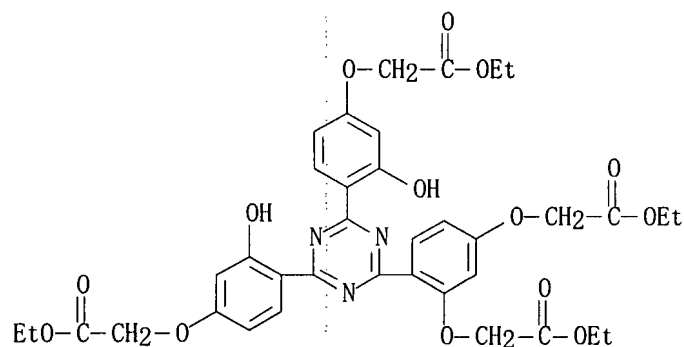
RN 208343-62-8 CAPLUS

CN Acetic acid, 2,2'-[[6-[2-ethoxy-4-(2-ethoxy-2-oxoethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[(3-hydroxy-4,1-phenylene)oxy]]bis-, diethyl ester (9CI) (CA INDEX NAME)

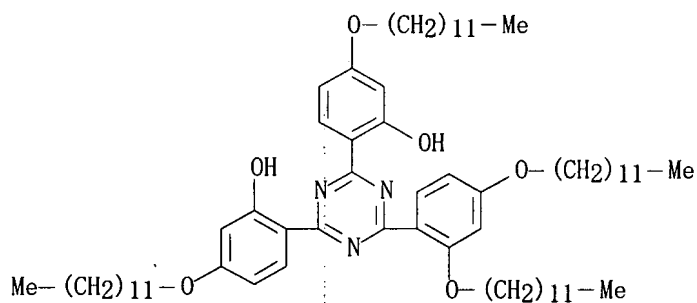


RN 208343-63-9 CAPLUS

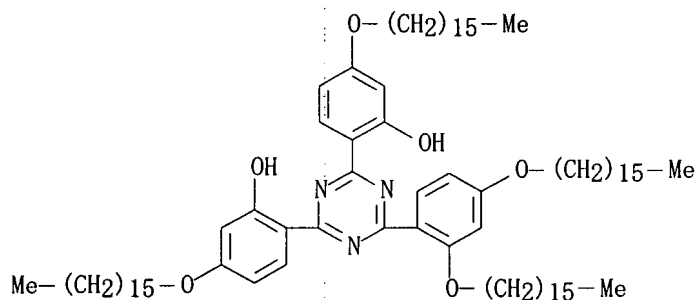
CN Acetic acid, 2,2'-[[4-[4,6-bis[4-(2-ethoxy-2-oxoethoxy)-2-hydroxyphenyl]-1,3,5-triazin-2-yl]-1,3-phenylene]bis(oxy)]bis-, diethyl ester (9CI) (CA INDEX NAME)



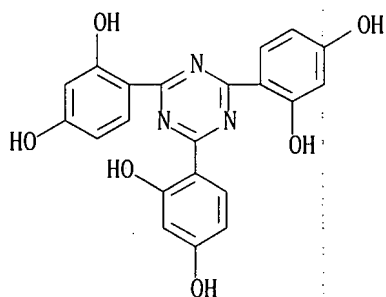
RN 208343-64-0 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(dodecyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(dodecyloxy)- (9CI) (CA INDEX NAME)



RN 208343-65-1 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis(hexadecyloxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-(hexadecyloxy)- (9CI) (CA INDEX NAME)

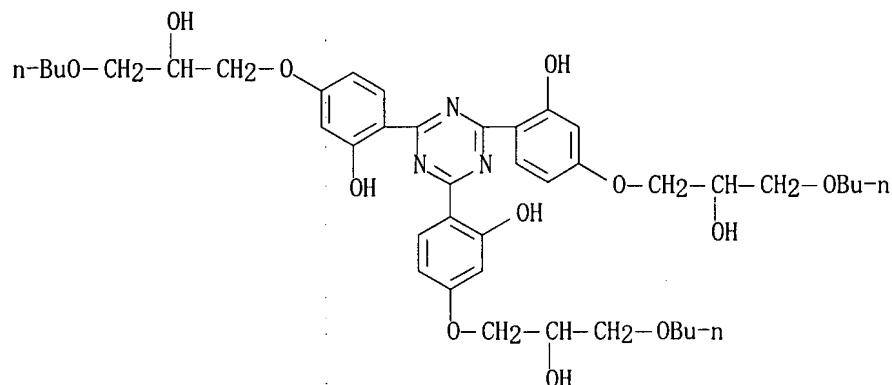


IT 2125-23-7 148236-55-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (in preparation of new light-stabilizing hydroxyphenyl triazine)  
 RN 2125-23-7 CAPLUS  
 CN 1,3-Benzenediol, 4,4',4''-(1,3,5-triazine-2,4,6-triyl)tris- (9CI) (CA INDEX NAME)



RN 148236-55-9 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(3-butoxy-2-hydroxypropoxy)- (9CI) (CA INDEX NAME)



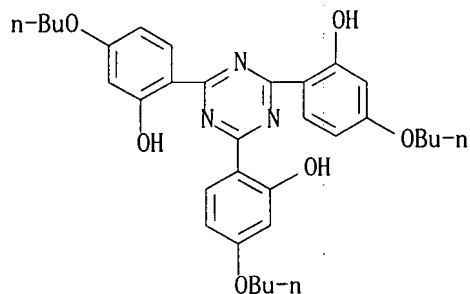
IT 3135-19-1P 13681-75-9P 107387-07-5P  
208343-66-2P 208343-67-3P 208343-68-4P  
208343-69-5P 208343-70-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(in preparation of new light-stabilizing hydroxyphenyl triazine)

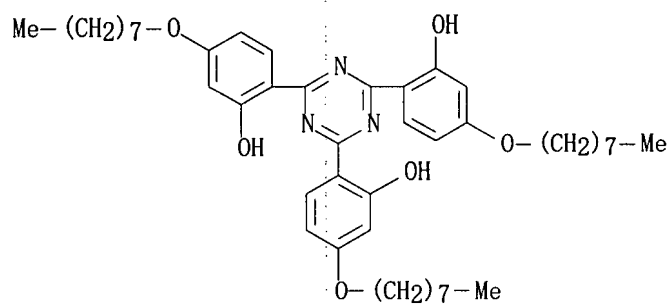
RN 3135-19-1 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-butoxy- (9CI) (CA INDEX NAME)



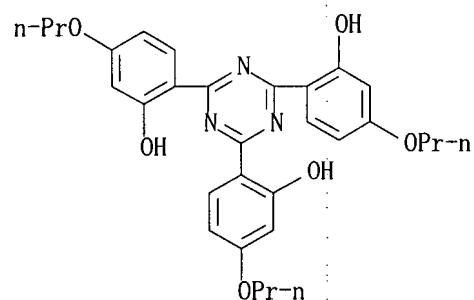
RN 13681-75-9 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(octyloxy)- (CA INDEX NAME)



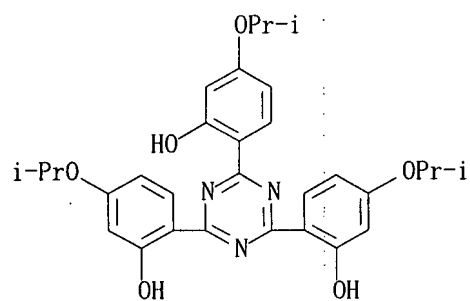
RN 107387-07-5 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-propoxy- (9CI) (CA INDEX NAME)



RN 208343-66-2 CAPLUS

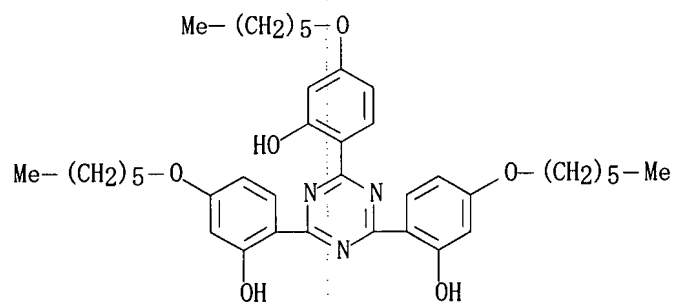
CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



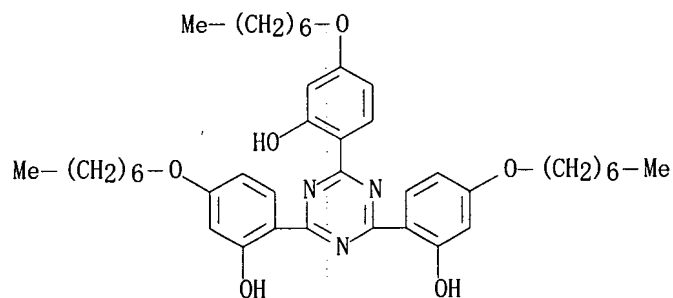
RN 208343-67-3 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(hexyloxy)- (9CI) (CA INDEX NAME)



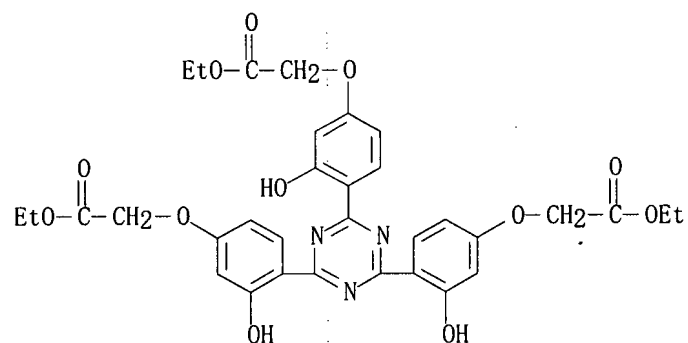


RN 208343-68-4 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(heptyloxy)- (9CI)  
(CA INDEX NAME)

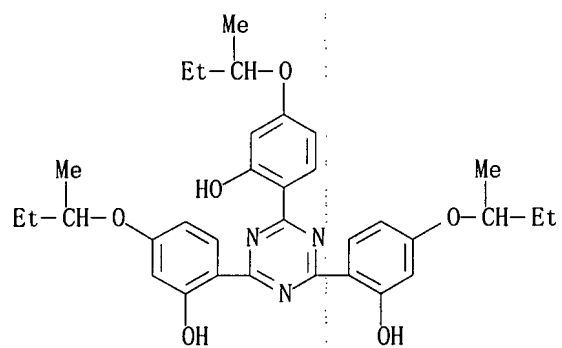
RN 208343-69-5 CAPLUS

CN Acetic acid, 2,2',2''-[(1,3,5-triazine-2,4,6-triyl)tris[(3-hydroxy-4,1-phenylene)oxy]]tris-, triethyl ester (9CI) (CA INDEX NAME)



RN 208343-70-8 CAPLUS

CN Phenol, 2,2',2''-(1,3,5-triazine-2,4,6-triyl)tris[5-(1-methylpropoxy)- (9CI) (CA INDEX NAME)



L14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1997:224042 CAPLUS  
 DN 126:216456  
 TI Sunscreen compositions containing triazines  
 IN Luther, Helmut; Stehlein, Albert; Minklei, Marina  
 PA Ciba-Geigy A.-G., Switz.  
 SO PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9703643	A1	19970206	WO 1996-EP3044	19960711
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2227004	A1	19970206	CA 1996-2227004	19960711
AU 9665199	A	19970218	AU 1996-65199	19960711
AU 699875	B2	19981217		
EP 840595	A1	19980513	EP 1996-924893	19960711
EP 840595	B1	20001004		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
BR 9609538	A	19990223	BR 1996-9538	19960711
JP 2000501064	T	20000202	JP 1997-506256	19960711
JP 3960625	B2	20070815		
AT 196730	T	20001015	AT 1996-924893	19960711
ES 2151670	T3	20010101	ES 1996-924893	19960711
IL 122788	A	20010319	IL 1996-122788	19960711
PT 840595	T	20010330	PT 1996-924893	19960711
GB 2303549	A	19970226	GB 1996-14912	19960716
<u>US 5980872</u>	A	19991109	US 1998-26	19980420
PRAI GB 1995-15048	A	19950722		
WO 1996-EP3044	W	19960711		

OS MARPAT 126:216456

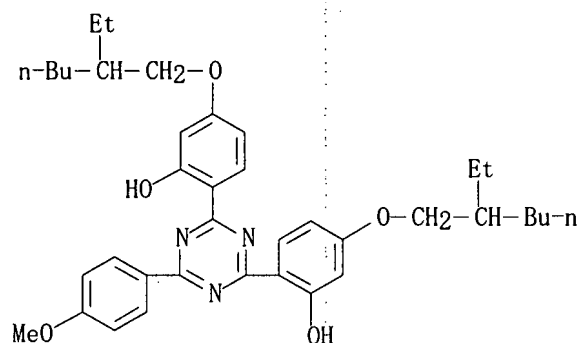
AB The present invention provides a method of producing a composition, suitable for use in pharmaceutical or cosmetic compns., comprising a micronized insol. organic UV absorber, which method comprises grinding the insol. organic UV absorber, in coarse particle form, in a grinding apparatus, in the presence of 0.1 to 30 % by weight of an alkyl polyglucoside having the formula  $C_nH_{2n+10}(C_6H_{10}O_5)_xH$ , in which n is an integer ranging from 8 to 16 and x is the mean polymerization level of the glucoside moiety ( $C_6H_{10}O_5$ ) and ranges from 1.4 to 1.6, or an ester thereof.

IT 187393-00-6 187393-01-7 187393-04-0  
 187393-05-1

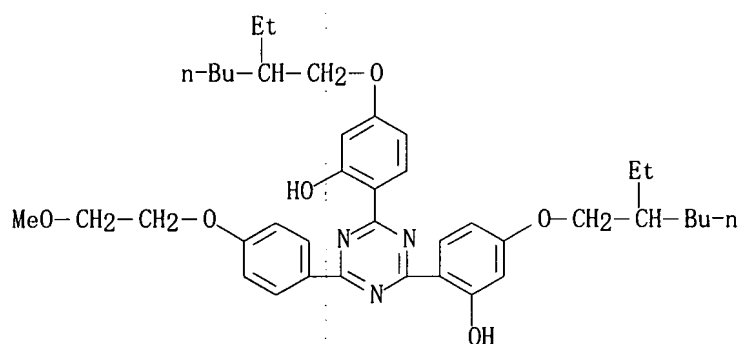
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (sunscreen compns. containing triazines)

RN 187393-00-6 CAPLUS

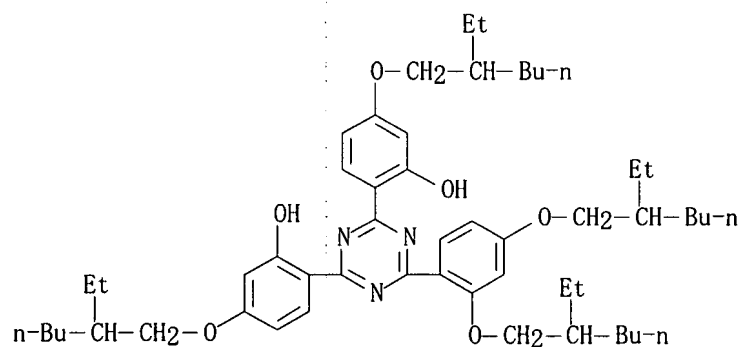
CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



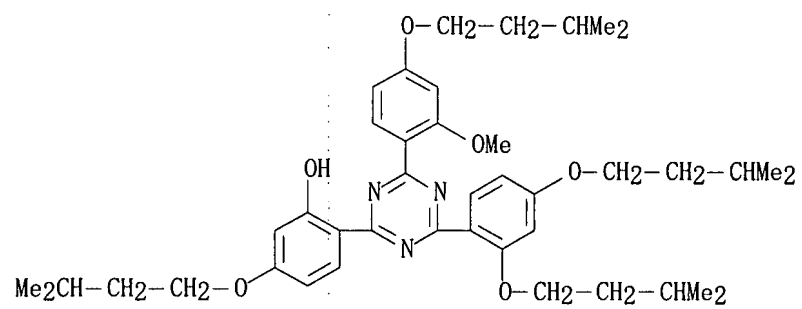
RN 187393-01-7 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(2-methoxyethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



RN 187393-04-0 CAPLUS  
 CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



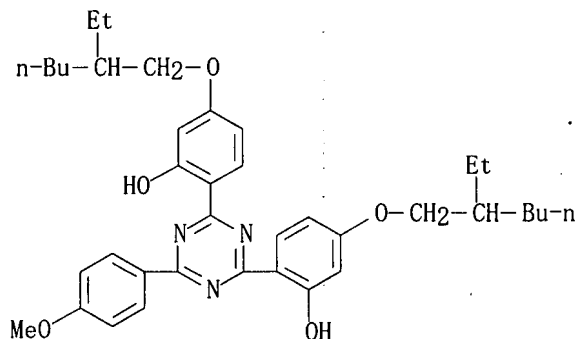
RN 187393-05-1 CAPLUS  
 CN Phenol, 2-[4-[2,4-bis(3-methylbutoxy)phenyl]-6-[2-methoxy-4-(3-methylbutoxy)phenyl]-1,3,5-triazin-2-yl]-5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



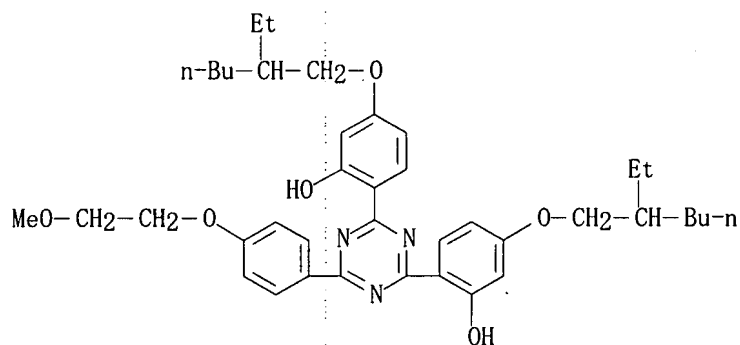
L14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1997:187205 CAPLUS  
 DN 126:190759  
 TI A triazine compound for sunscreen compositions  
 IN Stehlin, Albert; Kreyer, Gilbert; Luther, Helmut  
 PA Ciba-Geigy A.-G., Switz.  
 SO PCT Int. Appl., 37 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9703642	A1	19970206	WO 1996-EP3043	19960711
	W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9666142	A	19970218	AU 1996-66142	19960711
	GB 2303548	A	19970226	GB 1996-14911	19960716
PRAI	GB 1995-15049	A	19950722		
	GB 1996-4154	A	19960227		
	WO 1996-EP3043	W	19960711		
OS	MARPAT 126:190759				
AB	The present invention relates to new formulations of a triazine derivative as UV absorbers and to their use in sunscreen compns. 2,4,6-Trianilino-p-(carbo-2'-ethylhexyl-1'-oxy)-1,3,5-triazine 50 g was dissolved in 150 g tri-Bu citrate to give a clear solution, which was mixed with PEG-20 sorbitan monooleate, sorbitan monooleate, and water to obtain an oil-in-water sunscreen nanoemulsion.				
IT	187393-00-6 187393-01-7 187393-04-0 187393-05-1 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (triazine derivs. as sunscreens)				
RN	187393-00-6 CAPLUS				
CN	Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]]- (CA INDEX NAME)				

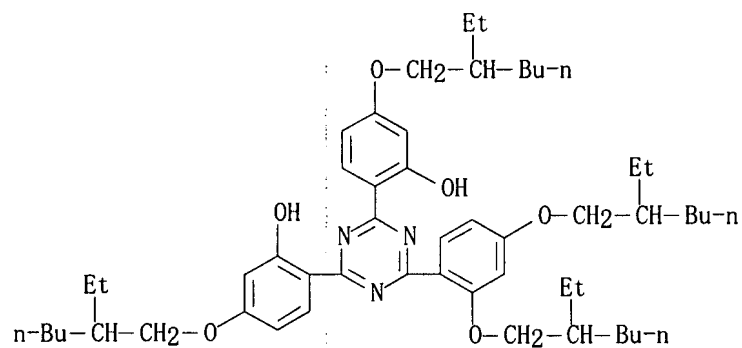


RN 187393-01-7 CAPLUS  
 CN Phenol, 2,2'-[6-[4-(2-methoxyethoxy)phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]]- (9CI) (CA INDEX NAME)



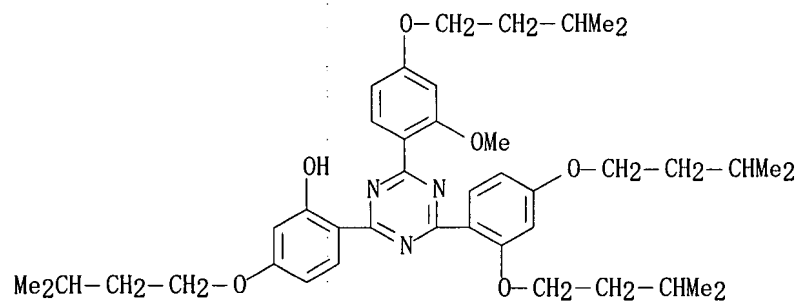
RN 187393-04-0 CAPLUS

CN Phenol, 2,2'-[6-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)



RN 187393-05-1 CAPLUS

CN Phenol, 2-[4-[2,4-bis(3-methylbutoxy)phenyl]-6-[2-methoxy-4-(3-methylbutoxy)phenyl]-1,3,5-triazin-2-yl]-5-(3-methylbutoxy)- (9CI) (CA INDEX NAME)



L14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1965:424201 CAPLUS  
 DN 63:24201  
 OREF 63:4315b-h  
 TI Hydroxyphenyl-1,3,5-triazine ultraviolet absorbers  
 PA CIBA Ltd.  
 SO 27 pp.  
 DT Patent  
 LA Dutch  
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6408514		19650127	NL 1964-8514	19640724
	BE 650932			BE	
	FR 1405559			FR	
	US 3249608			US	

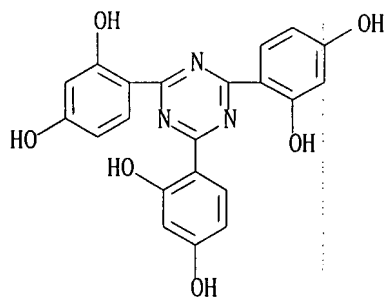
PRAI CH 19630726

GI For diagram(s), see printed CA Issue.

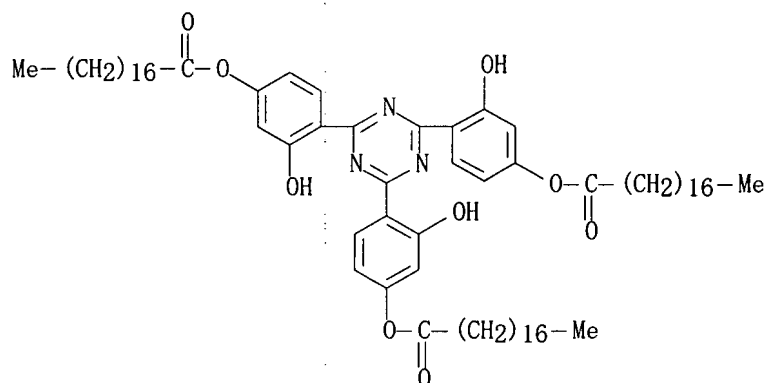
AB The title compds. are obtained by Friedel-Crafts reaction from halo-1,3,5-triazines. Thus, 2,4-bis(2,4-dimethylphenyl)-6-(2,4-dihydroxyphenyl)-1,3,5-triazine (I) is synthesized by 2 successive Friedel-Crafts reactions of 1 mol cyanuric chloride with (a) 2 mol 1,3-dimethylbenzene in m-xylene and (b) with 1 mol resorcinol in PhNO<sub>2</sub>. A solution of Ac2O 4 in acetone 50 is dropped at 20-5° into a mixture of I 12 with acetone 100 and pyridine 10 parts. After 6 h. the mixture is refluxed for 5 h. to give II [R<sub>1</sub> = R<sub>2</sub> = 2,4-Me<sub>2</sub>, R = 2,4-(HO) (AcO)C<sub>6</sub>H<sub>3</sub>], m. 141-3°. Similarly are prepared the following II (R, R<sub>1</sub>, R<sub>2</sub>, and m. p. given): Ph, 2,4-(HO) (AcO), 2,4-(HO) (AcO), 203-5°; 2,4-(HO) (AcO)C<sub>6</sub>H<sub>3</sub>, 2,4-(AcO)<sub>2</sub>, 2,4-(HO) (AcO), 201-3°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-Me<sub>2</sub>, 2,4-(HO) (EtCO<sub>2</sub>), 127-9°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-Me<sub>2</sub>, 2,4-(HO) (2-HOC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 184-5°; Ph, 2,4-(HO) (BzO), 2,4-(HO)<sub>2</sub>, 243-5°; Ph, 2,4-(HO) (BzO), 2,4-(HO) (BzO), 150-3° and 196-7°; Ph, 2,4-(BzO)<sub>3</sub>, 2,4-(HO) (BzO), 170-2°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 2,4-Me<sub>2</sub>, 95-6°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (BzO)<sub>2</sub>, 2,4-Me<sub>2</sub>, 169-70°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 2,4-Me<sub>2</sub>, 199-200°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [4-Me (CH<sub>2</sub>)<sub>7</sub>OC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>], 2,4-Me, 112-14°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>4</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>4</sub>CO<sub>2</sub>], 127-8°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 116-17°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>8</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>8</sub>CO<sub>2</sub>], 120-1°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>10</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>10</sub>CO<sub>2</sub>], 114-15°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>10</sub>CO<sub>2</sub>], 2,4-(HO)<sub>2</sub>, 168-9°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>], 105-7°; Ph, 2,4-(HO) (4-tert-BuC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 2,4-(HO) (4-tert-BuC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 255-8°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>2</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>2</sub>CO<sub>2</sub>], 149-50°; 4-tert-BuC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 142-3°; 4-MeOC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>6</sub>CO<sub>2</sub>], 123-5°; 2,4-(HO) [Me (CH<sub>2</sub>)<sub>15</sub>CO<sub>2</sub>]C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>16</sub>CO<sub>2</sub>], 95-6°; Ph, 2,4-(4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>)<sub>2</sub>, 2,4-(HO) (4-ClC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>), 278-81°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (EtNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 175°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 172-3°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>17</sub>NHC<sub>2</sub>O], 2,4-Me<sub>2</sub>, 116-19°; 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (PhNHC<sub>2</sub>O), 2,4-Me<sub>2</sub>, 177-8°; Ph, 2,4-(HO) [Me (CH<sub>2</sub>)<sub>17</sub>NHC<sub>2</sub>O], 2,4-(HO) [Me (CH<sub>2</sub>)<sub>17</sub>NHC<sub>2</sub>O], 187-9°; Ph, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-(HO) (BuNHC<sub>2</sub>O), 224-6°; Ph, 2,4-(HO) (MeCHCO<sub>2</sub>), 2,4-(HO) (MeNHC<sub>2</sub>O), 280°; Ph, 2,4-(HO) (EtNHC<sub>2</sub>O), 2,4-(HO) (EtNHC<sub>2</sub>O), .apprx. 250°; Ph, 2,4-(HO) (PhNHC<sub>2</sub>O), 2,4-(HO) (PhNHC<sub>2</sub>O), .apprx. 210°; 2,4-(HO) (2C<sub>6</sub>H<sub>3</sub>, 4-tert-Bu, 2,4-(HO)<sub>2</sub>, -; 4-tert-BuC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) (BuNHC<sub>2</sub>O), 2,4-(HO) (BuNHC<sub>2</sub>O); 182-5° 4-ClC<sub>6</sub>H<sub>4</sub>, 2,4-(HO)<sub>2</sub>, 2,4-(HO)<sub>2</sub>, -; 4-ClC<sub>6</sub>H<sub>4</sub>, 2,4-(HO) (3-MeC<sub>6</sub>H<sub>4</sub>NHC<sub>2</sub>O), 2,4-(HO) (3-MeC<sub>6</sub>H<sub>4</sub>NHC<sub>2</sub>O), >350°; 2,4-(HO) (MeNHC<sub>2</sub>O)C<sub>6</sub>H<sub>3</sub>, 2,4-(HO) (MeNHC<sub>2</sub>O), 2,4-(HO) (MeNHC<sub>2</sub>O), >360°. Also prepared were III (n = 2), m. 246-8°, and III (n = 4), m. 204-5°, and IV (R = 2,4-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>), m. 205-9°. In quantities of 0.1-2%, the compds. increase the light-fastness of textiles, lacquers, films, and cosmetics. The light-transmissibility of a 60 μ film obtained from an acetone solution containing 10% cellulose acetate and 0.5%



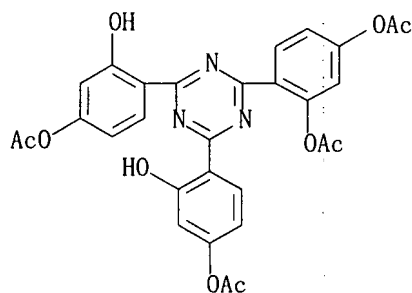
II was very little changed by a 100-h. exposure in a Fadeometer.  
 IT 2125-23-7, Resorcinol, 4,4',4''-s-triazine-2,4,6-triyltri-  
 (esters)  
 RN 2125-23-7 CAPLUS  
 CN 1,3-Benzenediol, 4,4',4''-(1,3,5-triazine-2,4,6-triyl)tris- (9CI) (CA  
 INDEX NAME)



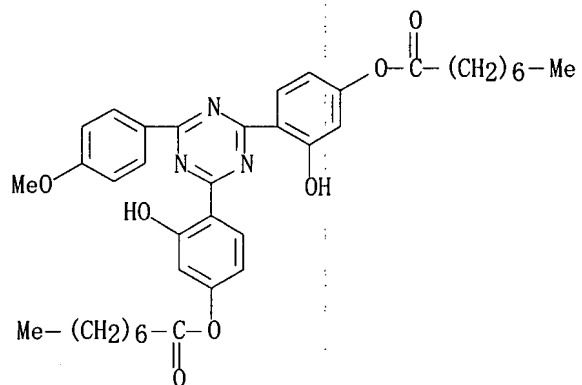
IT 1789-11-3P, Stearic acid, 1,1',1''-triester with  
 4,4',4''-s-triazine-2,4,6-triyltri-resorcinol 1789-66-8P,  
 Resorcinol, 4,4',4''-s-triazine-2,4,6-triyltri-, 1,1',1'',3-tetraacetate  
 1915-59-9P, Resorcinol, 4,4'-[6-(p-methoxyphenyl)-s-triazine-2,4-  
 diyl]di-, 1,1'-dioctanoate  
 RL: PREP (Preparation)  
 (preparation of)  
 RN 1789-11-3 CAPLUS  
 CN Octadecanoic acid, 1,3,5-triazine-2,4,6-triyltris(3-hydroxy-4,1-phenylene)  
 ester (9CI) (CA INDEX NAME)



RN 1789-66-8 CAPLUS  
 CN 1,3-Benzenediol, 4,4'-[6-[2,4-bis(acetyloxy)phenyl]-1,3,5-triazine-2,4-  
 diyl]bis-, 1,1'-diacetate (9CI) (CA INDEX NAME)



RN 1915-59-9 CAPLUS  
CN Octanoic acid, 1,1'-diester with 4,4'-[6-(p-methoxyphenyl)-s-triazine-2,4-diyl]diresorcinol (7CI, 8CI) (CA INDEX NAME)



=> s 114 and benzotriazole  
16979 BENZOTRIAZOLE  
1976 BENZOTRIAZOLES  
17309 BENZOTRIAZOLE  
(BENZOTRIAZOLE OR BENZOTRIAZOLES)  
L16 2 L14 AND BENZOTRIAZOLE  
=> d 1-2 bib abs hitstr

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2003:737542 CAPLUS  
 DN 139:249988  
 TI UV absorber compositions comprising a hydroxyphenyltriazine  
 IN Haase, Juerg; Ehli, Thomas; Borsos, Elek; Hueglin, Dietmar; Herzog, Bernd  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003075875	A1	20030918	WO 2003-EP2200	20030304
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2003214092	A1	20030922	AU 2003-214092	20030304
EP 1482904	A1	20041208	EP 2003-709744	20030304
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BR 2003008369	A	20050111	BR 2003-8369	20030304
CN 1642522	A	20050720	CN 2003-805915	20030304
JP 2005532273	T	20051027	JP 2003-574151	20030304
US 2005129632	A1	20050616	US 2004-507295	20040909
IN 2004CN02266	A	20070720	IN 2004-CN2266	20041008
PRAI EP 2002-405188	A	20020312		
WO 2003-EP2200	W	20030304		

OS MARPAT 139:249988

AB UV absorber compns. comprise 1-99% a hydroxyphenyltriazine compound and 99-1% a further UV absorber selected from the group of hydroxyphenyltriazines that are different from the 1st hydroxyphenyltriazine, benzotriazoles, dibenzoylmethane and camphor derivs. The compns. are suitable as UV filters in cosmetic compns. Thus, a hydroxyphenyltriazine compound was prepared and an emulsion formulation contained the hydroxyphenyltriazine 3, sesame oil 10 glyceryl stearate 4, stearic acid 1, cetyl alc. 0.5, Polysorbate-20 0.2, propylene glycol 4, propylparaben 0.05, methylparaben 0.15, triethanolamine 0.1, and Carbomer-934 0.1 g, and water to 100 mL.

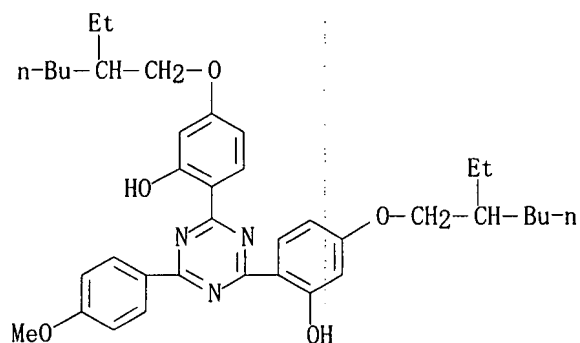
IT 187393-00-6P

RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(UV absorber compns. comprising hydroxyphenyltriazine)

RN 187393-00-6 CAPLUS

CN Phenol, 2,2'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



IT 600127-05-7P 600127-06-8P 600127-07-9P

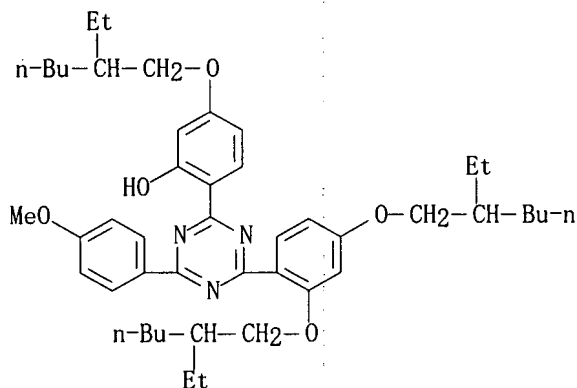
600127-08-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(UV absorber compns. comprising hydroxyphenyltriazine)

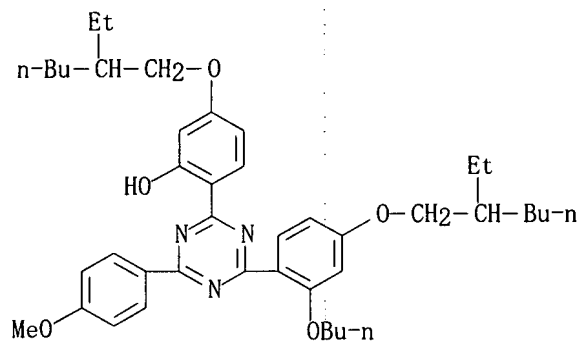
RN 600127-05-7 CAPLUS

CN Phenol, 2-[4-[2,4-bis[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)



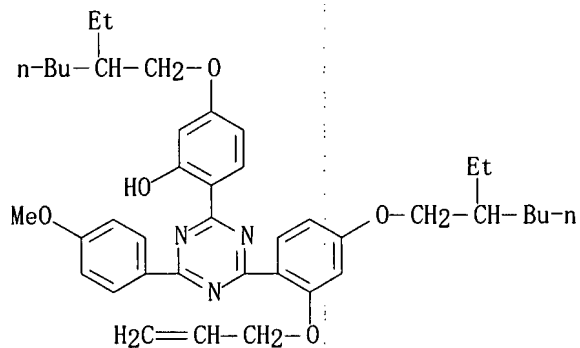
RN 600127-06-8 CAPLUS

CN Phenol, 2-[4-[2-butoxy-4-[(2-ethylhexyl)oxy]phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-5-[(2-ethylhexyl)oxy]- (CA INDEX NAME)

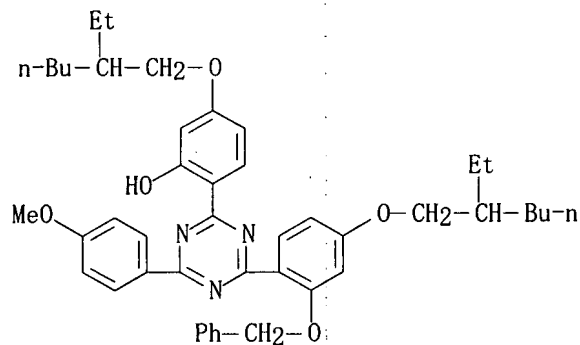


RN 600127-07-9 CAPLUS

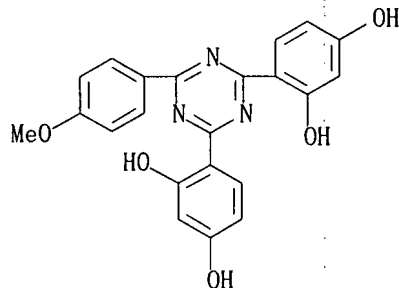
CN Phenol, 5-[(2-ethylhexyl)oxy]-2-[4-[4-[(2-ethylhexyl)oxy]-2-(2-propenyloxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



RN 600127-08-0 CAPLUS  
 CN Phenol, 5-[2-(2-ethylhexyl)oxy]-2-[4-[4-[(2-ethylhexyl)oxy]-2-(phenylmethoxy)phenyl]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]- (CA INDEX NAME)



IT 1440-00-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (UV absorber compns. comprising hydroxyphenyltriazine)  
 RN 1440-00-2 CAPLUS  
 CN 1,3-Benzenediol, 4,4'-[6-(4-methoxyphenyl)-1,3,5-triazine-2,4-diyl]bis- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2000:911045 CAPLUS  
 DN 134:76129  
 TI Micropigment mixture for sunscreen formulations  
 IN Luther, Helmut  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2

DT Patent

LA German

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000078277	A1	20001228	WO 2000-EP5314	20000608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000011766	A	20020305	BR 2000-11766	20000608
EP 1187598	A1	20020320	EP 2000-949173	20000608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003502354	T	20030121	JP 2001-504342	20000608
AU 778175	B2	20041118	AU 2000-62626	20000608
US 6746666	B1	20040608	US 2001-18199	20011214
MX 2001PA13101	A	20020604	MX 2001-PA13101	20011218
PRAI EP 1999-810543	A	19990618		
WO 2000-EP5314	W	20000608		

OS MARPAT 134:76129

AB The invention relates to the use of mixts. of micronized organic UV filters for the protection of the human and animal skin and hair from the detrimental effects of UV radiation. The invention also relates to the use of said mixts. in cosmetic and pharmaceutical formulations. The micronized mixts. used according to the invention cover a broad UV range and therefore have excellent sun protection properties. Thus, 32 parts octyltriazone, 1 part cetyltrimethylammonium bromide, and 66 parts methylene bisbenzotriazolyltetramethylbutylphenol were melted and the colled mas was subjected to size reduction This product was mixed with decyl glucoside and water and further micronized. This composite was mixed with citric for use in sunscreen or pharmaceutical formulations.

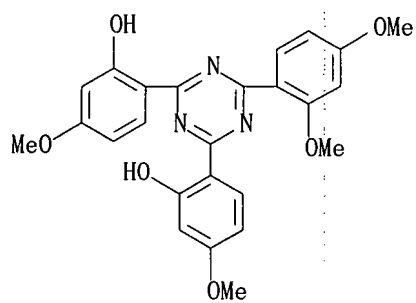
IT 103734-29-8

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(micropigment mixture for sunscreen formulations)

RN 103734-29-8 CAPLUS

CN Phenol, 2,2' -[6-(2,4-dimethoxyphenyl)-1,3,5-triazine-2,4-diyl]bis[5-methoxy- (9CI) (CA INDEX NAME)



RE. CNT 2      THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



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ENTER DISPLAY FORMAT (.FIONA):end
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L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Micropigment mixture for sunscreen formulations  
 AB The invention relates to the use of mixts. of micronized organic UV filters for the protection of the human and animal skin and hair from the detrimental effects of UV radiation. The invention also relates to the use of said mixts. in cosmetic and pharmaceutical formulations. The micronized mixts. used according to the invention cover a broad UV range and therefore have excellent sun protection properties. Thus, 32 parts octyltriazone, 1 part cetyltrimethylammonium bromide, and 66 parts methylene. . . . product was mixed with decyl glucoside and water and further micronized. This composite was mixed with citric for use in sunscreen or pharmaceutical formulations.  
 ST micropigment sunscreen; triazine sunscreen  
 micropigment; pigment triazole phenol sunscreen  
 IT Amines, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (fatty; micropigment mixture for sunscreen formulations)  
 IT Antioxidants  
 Hair  
 Pigments, nonbiological  
 Propolis  
 Skin  
 Sunscreens  
 (micropigment mixture for sunscreen formulations)  
 IT Betaines  
 Ceramides  
 Mica-group minerals, biological studies  
 Monoglycerides  
 Phospholipids, biological studies  
 Quaternary ammonium compounds, biological studies  
 Tocopherols  
 Ubiquinones  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (micropigment mixture for sunscreen formulations)  
 IT Sterols  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (phyto-; micropigment mixture for sunscreen formulations)  
 IT Amides, biological studies  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (vinyl group-containing; micropigment mixture for sunscreen formulations)  
 IT 51-17-2D, Benzimidazole, derivs., sulfonated 58-95-7, Tocopherol acetate 69-72-7D, Salicylic acid, esters, derivs. 84-83-3 94-13-3, Propylparaben 95-14-7D, 1H-Benzotriazole, derivs. 99-76-3, Methylparaben 104-98-3, Urocanic acid 104-98-3D, Urocanic acid, derivs. 119-61-9D, Benzophenone, derivs. 121-33-5, Vanillin 121-79-9, Propyl gallate 128-37-0, BHT, biological studies 150-13-0, PABA 150-13-0D, PABA, derivs. 153-18-4, Rutinic acid 153-18-4D, Rutinic acid, derivs. 290-87-9D, 1,3,5-Triazine, derivs. 476-66-4, Ellagic acid 621-82-9D, Cinnamic acid, derivs. 1135-24-6, Ferulic acid 1135-24-6D, Ferulic acid, derivs. 1314-13-2, Zinc oxide (ZnO), biological studies 1332-37-2, Iron oxide, biological studies 1406-18-4, Vitamin E 1709-70-2 1820-28-6 5466-77-3, Octyl p-methoxycinnamate 6197-30-4, Octocrylene 6683-19-8 7440-32-6D, Titanium, salts, biological studies 7440-66-6D, Zinc, salts, biological studies 7509-20-8 13463-67-7, Titanium oxide, biological studies 21245-02-3 25013-16-5, BHA 30653-05-5 36861-47-9 61167-58-6 88122-99-0, Octyltriazone 103597-45-1 103734-29-8 153188-23-9 154702-15-5, Dioctylbutamido triazone 182918-01-0 197910-15-9 314241-40-2 314241-41-3  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(micropigment mixture for sunscreen formulations)

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COST IN U. S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

418.28

884.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-60.06

-72.54

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:38:09 ON 16 OCT 2007